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ADVANCED NUCLEAR ENGINEERING
LABORATORY REPORTS

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BIBLIOGRAPHY OF CONNECTICUT ADVANCED
NUCLEAR ENGINEERING LABORATORY REPORTS

Approved By: D. L. Schmidt
D. L. Schmidt

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CLASSIFICATION

W. H. Henson
AUTHORIZED CLASSIFIER

November 30, 1965
DATE

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INTRODUCTION

This report, published in two volumes, is a bibliography of the reports published at the Connecticut Advanced Nuclear Engineering Laboratory (CANEL). The reports cover the period 1952 through 1965 and include the Aircraft Nuclear Propulsion program, the Advanced Liquid Metal Cooled Reactor program, the Advanced Reactor Materials program and the SNAP-50 program. The bibliography contains the report number, title, author, date published, and classification. In some cases where the writing of a report was a group effort, and in some reports containing compilations of certain types of data, the author column is not applicable. This is indicated by a "n.a." in the author column.

The following types of reports are included: PWAC's, TIM's, CNLM's, FXM's and miscellaneous reports. PWAC and TIM reports conform to the requirements of AEC Manual Chapter 3202-041 and 3202-042, respectively. Most of the technical information of interest generated by this project is documented in these reports. CNLM and FXM reports were written primarily for internal distribution. However, these reports contain enough information of technical interest to warrant their inclusion. All CNLM's and those FXM's considered to be of interest are included in this bibliography. The MPR's (Monthly Progress Reports) are the most important of the miscellaneous categories of reports. The other miscellaneous categories relate primarily to equipment and reactor specifications.

The Division of Technical Information Extension (DTIE) at Oak Ridge, Tennessee has been designated as the primary recipient of the reports in the CANEL library. When more than one copy of a report was available, the additional copies were delivered to the Lawrence Radiation Laboratory, Livermore, California.

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CNLM-2435	PWAR-11C Primary System E.M. Pump Investigation	Wunsch, W.	4/5/60	U
CNLM-2437	Transmittal of Form AEC-408 Revised Requirements for Materials (Nuclear)	Holtsinger, C.	4/4/60	U
CNLM-2438	Form AEC-408 Forecast of Nuclear Materials Requirements - First Revision Kilograms of U233	n.a.	4/4/60	U
CNLM-2439	Turbojet Engine for the B-70	Larson, J.	4/5/60	CDI
CNLM-2440	Forecast of Nuclear Materials Requirements First Revision	n.a.	4/4/60	U
CNLM-2441	Forecast of Nuclear Materials Requirements First Revision Enriched Plutonium	n.a.	4/4/60	CRD
CNLM-2442	Forecast of Nuclear Materials Requirements First Revision Kilograms of Normal Uranium	n.a.	4/4/60	U
CNLM-2443	Information Request for CAMAL Mission Primary Pump Stability Study	McKiernan, P.	4/5/60	CRD
CNLM-2444	Summary of Cost - February, 1960 Contracts AF 33-038-27341 NO AS 58-662C and AT 11-1-229 and AF 33-600-40548	n.a.	4/5/60	U
CNLM-2445	Analysis of Amounts Invoiced Contract AT 11-1-229 February, 1960	n.a.	4/5/60	U
CNLM-2446	Analysis of Amounts Invoiced Contract AF 33-038-27341, February, 1960	n.a.	4/5/60	U
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CNLM-2448	Analysis of Amounts Invoiced Contract NO AS 58-662C February, 1960	n.a.	4/5/60	U
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CNLM-2452 (Rev. 1)	Element Assignments to Mark IV In-pile Loops (PW 19-3 and 4)	Parks, A.	5/5/60	U
CNLM-2453	Performance Group Progress Report for March, 1960	Shaw, R.	4/6/60	CDI
CNLM-2454	Analog Study of PWAR-11 Breech Lock Flange	Snopkowski, D.	8/29/60	U
CNLM-2455	The Thermal Expansion and Electrical Resistivity of Columbium Plus 8% Titanium, XM-721, PGOQ-T12-0-28	Harrington, L.	4/11/60	CRD
CNLM-2456	Survey of Nuclear Fuel Materials Requirements	Holtsinger, C.	4/6/60	CRD
CNLM-2457	Transmittal Letter	Dypa, E.	4/6/60	U
CNLM-2458	Transmittal Letter	Dypa, E.	4/6/60	U
CNLM-2460	Transmittal Letter	Dypa, E.	4/7/60	U
CNLM-2461	Transmittal Letter	Dypa, E.	4/7/60	U
CNLM-2462	Report on Brush Beryllium Company BeO Standards Meeting	Fornwalt, D.	4/11/60	U
CNLM-2463	Afterheat Removal Data After 100 Hours of Flight for a Powerplant Having Two 300 Megawatt Reactors	Beardsley, G.	4/7/60	CRD
CNLM-2464	NaK-to-Air Radiator for NJ-18 Powerplant Afterheat Removal System	Andrews, N.	4/8/60	U
CNLM-2465	Transmittal of PWAC-288 Feasibility Report on the Fabrication and Test of Cermet Type Fuel Test Specimens for Inpile Capsule Tests	Beardsley, G.	4/8/60	U
CNLM-2466	Fabrication of Alloy GB-24 (Cb-20 Ti-5 Zr)	Billin, R.	4/8/60	CRD
CNLM-2467	Columbium-1% Zirconium Screw Thread Investigation	Doak, R.	4/12/60	CRD

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CNLM-2470	Facilities for P&WA Reactor Development Program	Hedden, D.	4/21/60	CRD
CNLM-2471	NaK-to-Air Afterheat Removal Radiator.	Rice, A.	4/11/60	CDI
CNLM-2472	Table II NJ-18 Powerplant Air Cooling Requirements	n.a.	4/11/60	SRD
CNLM-2473	Convair Twin Reactor Study Question 2	n.a.	4/11/60	SRD
CNLM-2474	Twin 300 Mw Reactors Operating at 175 Each, Question 1	n.a.	4/11/60	SRD
CNLM-2475	Criteria - Question 3	n.a.	4/11/60	SRD
CNLM-2476	Interim Report - Project 2410 Reactor Breakdown Machining	n.a.	4/27/60	CRD
CNLM-2477	Interim Report - Project 1075 The Development of Weld Parameters and Joint Design for the Columbium-1% Zirconium Reactor Shell Fabrication Program	Scanlon, J.	5/20/60	CRD
CNLM-2478	Meeting of the CANEL Welding and Brazing Committee April 5, 1960	Lea, K.	4/11/60	U
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CNLM-2480	Progress Report March, 1960	Strough, R.	4/18/60	CRD
CNLM-2481	Powerplant Information for Major Wilson	Larson, J.	4/12/60	CDI
CNLM-2482	Metallurgical Engineering Progress Report for March, 1960	Treciokas, V.	4/12/60	CRD
CNLM-2483	Thermal Mockup of Prototype Piping	Gemma, A. Spahl, R.	4/12/60	CRD

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CNLM-2485	Project 248 - Cold Machining of Molybdenum and Columbium Utilizing Carbon Dioxide as a Coolant	Goodin, L.	4/19/60	CRD
CNLM-2486	CANEL Alloy Development Program Report of Mechanical Test Result - Results Union Carbide Alloys	Lieberman, W.	4/13/60	CRD
CNLM-2487	Discussion of Columbium-1.0 Zirconium Alloy Properties Relative to the PWAR-11C Reactor Structural Design	Bigelow, C.	8/31/60	CRD
CNLM-2488	Transmittal of CNLM-2487	Dytko, E.	4/12/60	U
CNLM-2489	Nuclear Powerplant Performance Data for North American Aviation	Larson, J.	4/21/60	CRD
CNLM-2490	Information Pertaining to the Sylvania Fuel Element Capsules Being Irradiated in the MTR	Parks, A.	4/18/60	U
CNLM-2491	Preliminary Ground Handling Concepts for the Pratt and Whitney Aircraft Nuclear Powerplant	Gray, W.	4/18/60	CRD
CNLM-2492	P&WA Project No. A-303 AEC Case No. S-14, 861 Application for Philip P. Newcomb for Means and Method of Assembly of a Nuclear Aircraft Engine	n.a.	4/19/60	SRD
CNLM-2493	Protective Coating of Columbium Alloy Loops for Operation in Air	Hirakis, E. Clough, W.	4/21/60	U
CNLM-2494	Fabrication of Experimental Alloy, Cb-20-Ti-5V	Billin, R.	4/22/60	CRD
CNLM-2495	Fabrication of Experimental Alloy, Cb-5Ti	Billin, R.	4/22/60	CRD
CNLM-2496	Cb-Mo-Ti-Zr Alloy System	Delgrosso, E. Carlson, C.	4/21/60	CRD
CNLM-2497	Heat Exchanger Shell and JT 11 Heat Loss Data	n.a.	4/21/60	U

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CNLM-2498	Size and Weight of NaK-Air Radiator in Accordance With FXM-4470	Arnstein, R.	4/27/60	CRD
CNLM-2499	Materials Laboratory Progress Report - March, 1960	Raring, L.	4/19/60	CRD
CNLM-2500	Reactor L.M. Fill Test	Bernstein, E.	5/3/60	CRD
CNLM-2501	Notes for Shielding Discussion at Convair	Woodsum, H.	4/21/60	SRD
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CNLM-2503	Answers to Shielding Questions #1 and #2 Requested by Convair in CNLZ-311	Perry, P.	4/22/60	CRD
CNLM-2504	Answers to Shielding Question #3 Requested by Convair CNLZ-311	Woodsum, H.	4/22/60	CRD
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CNLM-2511	Answers to Shielding Questions	Woodsum, H.	4/25/60	CRD
CNLM-2512	Letter to Andrew Kalitinsky Convair, Fort Worth, Texas, Verification of Powerplant Data Discussed at Meeting April 17, 1960	Beardsley, G.	4/25/60	CRD
CNLM-2513	Justification for Requested Increase in Fee-Modification of AT 11-1-229	Schmickrath, B.	4/26/60	CRD

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CNLM-2514	Reactor Fuel Burnup Analysis Report	Fornwalt, D.	4/28/60	CRD
CNLM-2515	Interim Report No 2 Project 2410 Adaptability of the Lucas Boring Mill Machine for Reactor Break-down Machining	Greene, L.	5/27/60	CRD
CNLM-2516	Transmittal of CNLM-2470	Schmickrath, B.	4/27/60	U
CNLM-2517	Nuclear Reheat Powerplant Performance Data for North American Aviation	Larson, J.	5/5/60	CRD
CNLM-2517 (Rev. A)	Nuclear Reheat Powerplant Performance Data for North American Aviation	Larson, J.	6/13/60	CRD
CNLM-2518	Radiator Data in Accordance With Request, CNLM-2389	Arnstein, R.	5/11/60	CRD
CNLM-2519	Status of Analytical Chemistry Development Projects - April 15, 1960	Hobart, E.	5/2/60	U
CNLM-2520	Precleaning of Liquid Metal Systems	Couture, A.	4/29/60	CRD
CNLM-2521	Recovery and Recrystallization of Columbium 1.0% Zirconium Alloy	Stewart, J. Lieberman, W.	4/29/60	OUO
CNLM-2522	Monthly Progress Report Under AEC, Navy and Air Force Contracts	Schmickrath, B.	4/29/60	CRD
CNLM-2523	Request for Declassification of CNLM-2521, Enclosing Five Copies	Beardsley, G.	5/2/60	CRD
CNLM-2524	Performance Group Progress Report for April, 1960	Slaiby, T.	5/3/60	CRD
CNLM-2526	Columbium-1 Zirconium Alloy Tubing as Monitors in Inert Gas Chamber, X-582	Abrams, E.	6/2/60	CRD
CNLM-2527	Status of Forging Proptype Components	McGrath, D. Doughty, C.	5/11/60	U
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CNLM-2530	Fabrication of Experimental Alloy, Cb-7.5 Ti-0.75 Zr (GB-37 and GB-39)	Billin, R.	5/4/60	CRD
CNLM-2531	Fabrication of Experimental Alloy, Cb-5 Mo-2 Ti-2 Zr (GB-41 and GB-42)	Billin, R.	5/4/60	CRD
CNLM-2532	Fabrication of Experiment Alloy, Cb-20 Ti-5 Mo (GB-35 and GB-38)	Billin, R.	5/4/60	CRD
CNLM-2533	Fabrication of Experimental Alloy, Cb-5 Zr (GB-33 and GB-34)	Billin, R.	5/4/60	CRD
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CNLM-2538	Cost Estimate-Low Power Experiment	Dytko, E. Elsaesser, F.	5/5/60	U
CNLM-2538 (Supp. 1)	Cost Forecast PWAR-11C	n.a.	5/5/60	U
CNLM-2538 (Supp. 2)	Equipment and Instrumentation Material Estimates	n.a.	5/5/60	U
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CNLM-2541	Engineering Proposal for Support of Additional Research and Development Work on Materials and Propulsion Equipment Components of Aircraft Nuclear Propulsion Systems - Including Air Force Work Statement	Schmickrath, B.	5/5/60	CRD
CNLM-2542	Open, Completed, Cancelled and Help Up Projects - Tool Engineering Development Group	n.a.	5/5/60	U
CNLM-2543	Base Data for Environmental Monitoring Samples	Kerr, G.	5/11/60	U
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CNLM-2544	Shield Cooling Requirement and Transmittal of FXD-507 and FXD-510	Beardsley, G.	5/6/60	CRD
CNLM-2545	Modification of Test Stands X-585 and X-586 for Test of LNCSA Loop	Bourdon, P.	5/11/60	U
CNLM-2547	Meeting With J-58 Project Group at FRDC on 5/5 and 5/6/60	Slaiby, T.	5/12/60	CDI
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CNLM-2552	J-58 Turbojet Engine for NAA B-70 Airplane	Larson, J.	5/12/60	CDI
CNLM-2553	Sources for Data to be Used by Convair in Their Nuclear Powerplant Application Studies for the Period April to June 1960 Supersedes CNLM-2410	Gaffin, W.	5/13/60	U
CNLM-2554	Radiation Damage of Columbium 1% Zirconium Alloy	Gregory, D. Rowe, G.	5/16/60	CRD
CNLM-2555	Revised Estimate of FY 61 Air Force Capital Equipment and Facilities Requirements	Hilley, M.	5/12/60	U
CNLM-2556	Progress Report - April, 1960	Strough, R.	5/18/60	CRD
CNLM-2557	Transmittal Letter for CNLM-2535 (CDI) and CNLM-2552 (CDI)	Holtsinger, C.	5/13/60	U
CNLM-2558	Re-expansion of Tube-to-Header Joints and Reconstruction of TDF-8 Radiator	Dypa, E.	5/17/60	U
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CNLM-2562	Status of Forging Prototype Components	McGrath, D. Doughty, C.	5/18/60	U
CNLM-2563	Effect of Ionizing Radiation on Communication Systems	Woodsum, H.	5/16/60	CRD

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CNLM-2565	Primary Pump Hot Test Chamber	Milich, J.	5/16/60	U
CNLM-2566	85 Mw Heat Exchanger Design Study 255 510	Means, H.	5/18/60	CRD
CNLM-2567	The Temperature of the Dissimilar Metal Joint in the Primary System Shutoff Valve	Fancher, R.	6/30/60	CRD
CNLM-2568	Transmittal of LK-100774	Holtsinger, C.	5/17/60	U
CNLM-2569	Fabrication of Experimental Alloy - Cb-3 Zr (GB-25)	Billin, R.	5/17/60	U
CNLM-2570	Fabrication of Experimental Alloys Cb-5 Mo-2 Ti-2 Zr-0.12 C(GB-4), Cb-30 Ti-8 Cr-3 V-3 Al-1 W(GB-5), Cb-30 Ti-8 Cr-3 V-3 Al-0.08 C(GB-6), Cb-5 Mo-6 Ti-6 Zr(GB-9), Cb-5 V(GB-16), Cb-5 Mo-5 V(GB-18)	Billin, R.	5/17/60	U
CNLM-2571	Nuclear JT11D-20 Turbojet Engine Estimated Performance 1800F NaK Radiator	Larson, J.	5/19/60	CRD
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CNLM-2571 (Supp. 2)	Nuclear JT11D-20 Turbojet Estimated Performance 2000F Lithium Radiator	Larson, J.	6/10/60	CRD
CNLM-2571 (Rev. A)	Nuclear JT11D-20 Turbojet Engine Estimated Performance 1800F NaK Radiator	n.a.	6/10/60	CRD
CNLM-2572	Information Requested by North American Aviation in TFD-60-83	Woodsum, H.	5/23/60	CRD
CNLM-2573	Engine Shaft Driven NaK Pumps	Gaffin, W.	5/20/60	U
CNLM-2574	Materials Laboratory Progress Report for April, 1960	Raring, L.	5/18/60	CRD
CNLM-2575	Design Layout for the PWAR-11C NRTS Dolly Installation, LK-100704	Bigelow, C. Dreisbach, R.	5/19/60	U

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CNLM-2576	Analysis of Amounts Invoiced Contract AF 33-600-40548, March, 1960	Davis, W.	5/18/60	U
CNLM-2577	Analysis of Amounts Invoiced Contract No. AF 33-600-41233, March, 1960	n.a.	5/19/60	U
CNLM-2578	Phone Conversation With Mr. G. Leach, NAA, May 17, 1960	Larson, J.	5/19/60	CRD
CNLM-2579	Analysis of Amounts Invoiced Contract AF 33-038-27341 March, 1960	n.a.	5/19/60	U
CNLM-2580	Analysis of Amounts Invoiced Contract AT 11-1-229 March, 1960	n.a.	5/19/60	U
CNLM-2581	Engineering and Development Contract No AF 33-600-40548 Commitment Status March, 1960	n.a.	5/19/60	U
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CNLM-2585	Aircraft Reactor Hazards	Perry, P.	5/23/60	CRD
CNLM-2586	Reactor Fuel Burnup Analysis Report	Fornwalt, D.	5/23/60	CRD
CNLM-2587	Current Engineering Order Supplements Applicable to Contract AF 33-600-40548	Beardsley, G.	5/20/60	CRD
CNLM-2588	Estimated Cost of the Low Power Test Reactor Program for Fiscal Years 1961 and 1962	Holtsinger, C.	5/20/60	U
CNLM-2589	NJ-19 Powerplant Operating and Ground Handling Procedures	Gaffin, W.	5/24/60	CRD

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CNLM-2590	Instruction Manual - NPL Automatic Flux Servo for Cell No. 1	Rovero, A.	5/23/60	U
CNLM-2591	Record of Meeting With Mr. B. T. Salmon of NTH Products, Inc.	Doak, R.	5/25/60	CRD
CNLM-2592	Answers to Questions From C. Goetz and V. Keshishian, of North American Aviation, Inc. Los Angeles	Kennedy, W.	5/24/60	SRD
CNLM-2593	Shield Weights for B-70 Aircraft Designed to Satisfy Dore Restrictions as Specified	Enos, G.	5/24/60	SRD
CNLM-2594	Shield Cooling System	Andrews, N.	5/24/60	SDI
CNLM-2595	Milestone Management System Indirect Cycle Reactors List 1 Revision 1 Low Power Reactor Experiment	Holtsinger, C.	5/25/60	CRD
CNLM-2595 (Rev. A)	Milestone Management System Indirect Cycle Reactors List 1 Revision 2 Low Power Reactor Experiment	Holtsinger, C.	8/1/60	CRD
CNLM-2596	Wide Sheet and Plate Source Approval	Joslin, S. Kuhns, R.	5/25/60	U
CNLM-2597	CANEL Pilot Radiator Laboratory Failure and Repair of Liquid Metal Furnace	Marsh, A.	6/3/60	U
CNLM-2598	Interim Report # 4 - Project 2410 Reactor Breakdown Machining	Goodin, L.	5/24/60	U
CNLM-2599	HE-12CL Operating Temperature Range	Couture, A.	5/26/60	U
CNLM-2600	Additional Facilities for CANEL for Fiscal Year, 1960	Schmickrath, B.	5/25/60	U
CNLM-2601	Fabrication of Haynes 25 Tube-to-Header Joint Specimens	Dypa, E.	5/26/60	U
CNLM-2602	Application of Hilbert V. Schenck, Jr. Serial No. 657,667 Filed May 7, 1957 for THERMAL SCHEME	Tasker, M.	5/26/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2603	Affidavit of Edward R. Dytko in Re Patent Application of Hilbert V. Schenck, Jr., Serial No. 657,667, Filed May 7, 1957	n.a.	5/26/60	U
CNLM-2604	Statistical Evaluation of Chemical Analysis of Cb-1 Zr Materials Previously Investigated for Strength	Peraro, J.	5/27/60	U
CNLM-2605	Construction of Four Monoblock Seal Test Stands for Endurance Testing	Pearce, M.	5/26/60	U
CNLM-2606	Highlight Statement and Program Statements for Fiscal Years 1960, 1961 and 1962	Strough, R.	5/26/60	CRD
CNLM-2607	Breakdown of Estimated Costs for AEC Contract AT 11-1-229 for Fiscal Years 1960, 1961 and 1962 Revised Downward	Schmickrath, B.	5/31/60	CRD
CNLM-2608	Monthly Progress Report Under AEC Contract AT 11-1-229, Navy Contract NOas 58-662-C and Air Force Contract AF 33-600-40548	Schmickrath, B.	5/27/60	CRD
CNLM-2609	Declassification	Miller, J.	6/6/60	U
CNLM-2610	Transmittal of TIM-631, Drawing T-1014953 and Drawing T-1014951	Parks, A.	5/31/60	CRD
CNLM-2611	Method for Estimating Engine Performance for the NJ-18 Powerplant	Johnson, G.	6/27/60	CDI
CNLM-2611 (Rev. A)	Method for Estimating Engine Performance for the NJ-18 Powerplant	Shepardson, J.	1/24/61	CDI
CNLM-2612	Compilation of Fuel Element Properties	Dissler, J.	6/3/60	SRD
CNLM-2613	Method of Estimating Engine Performance for the NJ-19 Powerplant	Whittaker, R.	7/13/60	CDI

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CNLM-2613 (Rev. A)	Method of Estimating Engine Performance for the NJ-19 Powerplant	Whittaker, R.	5/22/61	CDI
CNLM-2614	Prototype Forging Program at Wyman-Gordon Company	Treciokas, V. Triner, N.	6/1/60	U
CNLM-2615	Reactor Flow Model	Bernstein, E.	6/3/60	U
CNLM-2616	Final Report - Project 1815 Develop Eloxig Data Pertinent to Fabricating Molybdenum, Tinadure, Haynes 25, Columbium 1% Zirconium and Tungsten	Barker, W.	6/1/60	U
CNLM-2617	Performance Group Progress Report for May, 1960	Andrews, N.	6/2/60	CDI
CNLM-2618	Electron-Microscopy Examination of Biaxial Rupture Specimens	Stewart, J.	6/2/60	CRD
CNLM-2619	Report on CANEL Welding and Brazing Committee Meeting on May 3, 1960	Goslee, E.	6/3/60	U
CNLM-2620	Shielding Information for Blaw-Knox Company	Woodsum, H.	6/3/60	CRD
CNLM-2621	Disposal Instructions for Residual Scrap SS Material Located at Station SYL	Beardsley, G.	6/3/60	CRD
CNLM-2622	Issuance of CANEL Process Specification CPS-110	Kycia, M.	6/6/60	U
CNLM-2623	Status of Analytical Chemistry Development Projects - May 25, 1960	Hobart, E.	6/9/60	U
CNLM-2624	Proposal That the NaK Pump in the Powerplant for the B-70 Airplane be Driven From the Engine	Beardsley, G.	6/8/60	U
CNLM-2625	Liquid Metal Sampling Traps	Rieb, M.	6/8/60	U
CNLM-2626	Substantiation of Sole Source Request for Purchase of Lithium Hydride Radiation Specimens	Fultonberg, D.	6/8/60	U

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CNLM-2627	Afterheat Removal System for Convair Application	Fritz, R.	6/16/60	CRD
CNLM-2628	Request for Declassification of GR-101 Radiator in the Pilot Radiator Laboratory With Photograph 8C-5058C	Beardsley, G.	6/9/60	U
CNLM-2629	Metallurgical Engineering Progress Report for May, 1960	Treciokas, V.	6/10/60	CRD
CNLM-2630	Information Re Convair "G" Load Factors	Meyer, R.	6/10/60	U
CNLM-2631	CANEL Welding and Brazing Committee Meeting June 7, 1960	Lea, K.	6/13/60	U
CNLM-2632	Transmittal of CNLM-2571, Revision A, Supplements 1 and 2	Beardsley, G.	6/10/60	U
CNLM-2633	Protection of Cb-1 Zr Alloy Tubing With Ni-Cr Composite and Zn Coatings	Abrams, E.	6/30/60	U
CNLM-2634	Transmittal of TIM-631 Work Sheets	Parks, A.	6/13/60	U
CNLM-2635	Analysis of Amounts Invoiced Contract No. Af 33-600-41233 April, 1960	n.a.	6/13/60	U
CNLM-2636	Analysis of Amounts Invoiced Contract No. AF 33-038-27341 April, 1960	n.a.	6/13/60	U
CNLM-2637	Analysis of Amounts Invoiced Contract AF 33-600-40548 April, 1960	n.a.	6/13/60	U
CNLM-2638	Analysis of Amounts Invoiced Contract AT 11-1-229 April, 1960	n.a.	6/13/60	U
CNLM-2639	Engineering and Development Contract No. AF 33-600-40548 Commitment Status April, 1960	n.a.	6/13/60	U
CNLM-2640	Summary of Cost - April, 1960 Contracts AF 33-038-27341, AF 33-600-40548 and AF 33-600-41233 and AT 11-1-229	n.a.	6/13/60	U

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CNLM-2642	Revised Estimates of Cost of Design, Development, Fabrication and Operation of the PWAR-11C Experimental Reactor for 1961 and 1962 Fiscal Years	Schmickrath, B.	6/14/60	CRD
CNLM-2643	Presentation to the Air Force Scientific Advisory Board	n.a.	6/14/60	SRD
CNLM-2644	HE-12CL Test Heat Exchanger	Randall, D.	6/23/60	U
CNLM-2645	Materials Laboratory Progress Report for May, 1960	Raring, L.	6/15/60	CRD
CNLM-2646	Fabrication of Cb-5 Zr Alloy (GB-45 and GB-46)	Billin, R.	8/22/60	U
CNLM-2647	Fabrication of Experimental Alloys, Cb-15 Ti-5 V-2.5 Al (GA-83 and Cb-8 Ti-4 V(GA-84))	Leeper, H.	8/29/60	U
CNLM-2648	Analysis of Subsector Variation in Soil Samples	Kerr, G.	6/20/60	U
CNLM-2649	Interim Report # 1 - Project 1931 Grind Integral Finned Tube for the Columbium Type Radiator	Goodin, L.	6/15/60	U
CNLM-2650	Declassification. Supersedes CNLM-2609	Miller, J.	6/20/60	U
CNLM-2651	Schedule Review	Kelly, R.	6/16/60	U
CNLM-2652	Filling Vents in the Upper Torus of the PWAR-11C	Zeisser, M. Bigelow, C.	6/21/60	U
CNLM-2653	Stationary Reflector Region Flow Control Device Design Requirements	Bigelow, C.	6/22/60	U
CNLM-2654	Modification to Larger Filler Piece in PWAR-11 Core Boundary Region	Zeisser, M.	6/22/60	CRD
CNLM-2655	Transmittal of MJS-10, Volumes I and II	Holtsinger, C.	6/16/60	U
CNLM-2656	PWAR-11C Core Removal	Stebbing, R. Hanel, W.	6/22/60	CRD

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CNLM-2657	Presentation to the Air Force Scientific Advisory Board June 14, 1960	n.a.	6/21/60	CRD
CNLM-2658	Progress Report - May, 1960	Strough, R.	6/21/60	CRD
CNLM-2659	Work Statement for R. P. O. # 927312 United to Supply all Material	Golec, W.	6/17/60	U
CNLM-2660	Information for Convair Study of the Effects of Performance Deterioration on the Nuclear Airplane as Requested by R. L. Lemmon	Beardsley, G.	6/17/60	CRD
CNLM-2661	Operating Procedure for Pneumomatic Controls Irradiation Test Using Moore Mod. 68-1 M. F. Relays	Shea, T.	6/22/60	U
CNLM-2662	Milestone Management System Indirect Cycle Reactors. List # 3 U.S. Air Force Research and Development Schedule	Holtsinger, C.	7/19/60	CRD
CNLM-2663	Literature Search of Radiation Effects on Materials	Kent, R.	6/20/60	U
CNLM-2664	Task Order Subcategories	Doak, R.	6/20/60	U
CNLM-2665	Technical Program Summary of CANEL	n.a.	6/27/60	CRD
CNLM-2666	Proposed Task Order Listing Control Drum and Drive	Parks, G.	6/22/60	U
CNLM-2667	Lower Plenum Baffle Design	Bigelow, C. Zeisser, M.	7/5/60	U
CNLM-2668	Reactor Component Design Changes Based on Clearance and Tolerance Studies	Banach, H.	6/30/60	CRD
CNLM-2668 (Supp. 1)	Reactor Component Design Changes Based on Clearance and Tolerance Studies	Banach, H.	8/16/60	CRD
CNLM-2669	Milestone Management System Indirect Cycle Reactors List 2, Revision 1 Advanced Applications	n.a.	7/26/60	CRD

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CNLM-2671	Status of Fuel Element Burst Tests	Cooper, M.	6/27/60	CRD
CNLM-2672	Reliability of the Rotating Machinery Components of the Proposed Aircraft Nuclear Propulsion Indirect Cycle Powerplant	Beardsley, G.	6/23/60	CDI
CNLM-2673	Reply to Questions Asked by Atomics International	Vozzella, P.	6/23/60	CRD
CNLM-2674	Report of a Special Meeting of the CANEL Welding and Brazing Committee on June 22, 1960	Lea, K.	6/29/60	U
CNLM-2675	Engineering Proposal for Support of Additional Work in Conjunction With the Design of the JTN-11 Engine	Schmickrath, B.	6/30/60	CRD
CNLM-2676	Control Drum Drive Development Group Responsibilities	Shuford, S.	6/29/60	CRD
CNLM-2677	Quarterly Progress Report April - June, 1960	Treciokas, V.	6/30/60	CRD
CNLM-2678	Summary of Test Program Associated With the Development of the Control Drum Drive Mechanism and Test Operation Schedule	Parks, G.	7/6/60	CRD
CNLM-2679	Preliminary Subsystems Data for the NJ-19 Powerplant	Andrews, N.	7/7/60	CRD
CNLM-2680	An IBM 704 Temperature Distribution Program	Wrixon, G.	8/4/60	U
CNLM-2681	Secondary System Data - 11-C Experiment	Dreisbach, R.	6/30/60	CRD
CNLM-2682	Proposed Program for the Evaluation of Hazards Associated With the Indirect Cycle Aircraft Nuclear Propulsion System	Holtsinger, C.	6/29/60	CDI
CNLM-2683	Fuel Burnup Analysis Report	Kahn, M.	7/5/60	CRD
CNLM-2684	Fabrication of Cb-5 Mo-2 Ti-2 Zr Alloy, GB-59	Billin, R.	8/12/60	U

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CNLM-2685	Selection of Intermediate Heat Exchanger Unit Size for Aircraft Powerplant Application	Strough, R.	6/30/60	U
CNLM-2686 (Rough Draft)	JTN-11 (D-20) Engine Performance Curves and Correction Factors	Meyer, R.	6/30/60	CRD
CNLM-2687	Additional NJ-18A Powerplant Performance Data	Meyer, R.	6/30/60	CDI
CNLM-2688	JTN-11 Engine Data for North American Studies JTN-11 Engineering Order Supplements	Meyer, R.	6/30/60	U
CNLM-2689	Compatibility of Thrust Bearing Materials in a Lithium Columbium Environment	Heyl, P.	7/1/60	CRD
CNLM-2690	Monthly Progress Report Under Contracts AT 11-1-229, AF 33-600-41233, and AF 33-600-40548	Beardsley, G.	6/30/60	CRD
CNLM-2691	PWAR-11C Shield Design Requirements	Zeisser, M. Bigelow, C.	8/4/60	CRD
CNLM-2692	Operation of Thermal Convection Loops OCL-19 and OCL-20	Donnelly, E.	7/7/60	U
CNLM-2693	Summary Report of Aging Studies in an Alloy of Columbium With One Percent Zirconium	n.a.	7/12/60	CRD
CNLM-2694	Outline of Preliminary Program to Determine the Cause of Leaks in the GR-101 Radiator	Allen, J.	7/1/60	U
CNLM-2695	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision Enriched Uranium	n.a.	7/5/60	CRD
CNLM-2696	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision Normal Uranium	n.a.	7/5/60	U
CNLM-2697	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision Enriched Uranium	n.a.	7/5/60	CRD

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CNLM-2698	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision U233	n.a.	7/5/60	U
CNLM-2699	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision Plutonium	n.a.	7/5/60	U
CNLM-2700	Form AEC-408 - Forecast of Nuclear Materials Requirements - Second Revision Normal Uranium	n.a.	7/5/60	U
CNLM-2701	Exhaust Nozzle Performance	Daum, N.	7/5/60	U
CNLM-2701 (Rev. 3)	Active List of Engineering Order Supplements Contract AT 30-1-2789	n.a.	8/1/60	U
CNLM-2702	Systems Analysis Group Progress Report - June, 1960	Larson, J.	7/6/60	CDI
CNLM-2703	Classification of the Full Scale Mockup of the PWAR-11C Primary System	Doak, R.	7/7/60	CRD
CNLM-2703 (Supp. 1)	Classification of the Full Scale Mockup of the PWAR-11C Primary System	Doak, R.	7/3/60	U
CNLM-2704	Summary of Tensile Results of Nickel-Alumina Spinel	Peraro, J.	7/12/60	U
CNLM-2705	Task Order Cost Estimate PWAR-11C Fuel Material Research and Development Task Order 423201	Kuhns, R.	7/7/60	U
CNLM-2706	Task Order Cost Estimate PWAR-11C Control Drum Task Order 424401	Kuhns, R.	7/7/60	CRD
CNLM-2707	Task Order Cost Estimates PWAR-11C Shield Fabrication - TO 431301	Kuhns, R.	7/7/60	U
CNLM-2708	Task Order Cost Estimates PWAR-11C Reflector Fabrication Task Order 434301	Kuhns, R.	7/7/60	U

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CNLM-2709	Task Order Cost Estimates PWAR-11C Control Drum Fabrication Task Order 434401	Kuhns, R.	7/7/60	CRD
CNLM-2710	Task Order Cost Estimates PWAR-11C Core Fabrication - Task Order 439101	Kuhns, R.	7/7/60	CRD
CNLM-2711	Task Order Cost Estimate PWAR- 11C Fuel Element Fabrication and Test Task Order 423101	Kuhns, R.	7/7/60	U
CNLM-2712	Task Order Cost Estimate PWAR- 11C Task Order 421401	Kuhns, R.	7/7/60	U
CNLM-2713	Task Order Cost Estimate PWAR- 11C Moderator, Reflector, and Reactor Control Materials Development Task Order 424501	Kuhns, R.	7/7/60	U
CNLM-2714	Status of Forging Prototype Components	McGrath, D.	7/8/60	U
CNLM-2714 (Supp. 1)	Status of Forging Prototype Components	McGrath, D. Doughty, C	8/17/60	U
CNLM-2714 (Supp. 2)	Status of Forging Prototype Components	McGrath, D. Doughty, D.	8/23/60	U
CNLM-2714 (Supp. 3)	Forging Status Report	McGrath, D.	8/30/60	U
CNLM-2714 (Supp. 4)	Forging Status Report	McGrath, D. Doughty, C.	10/7/60	U
CNLM-2715	Forced Convection Loop Eval- uation of Cb-1 Zr Alloy	Austin, G.	7/6/60	CRD
CNLM-2716	Advanced Reactor Analytical Design	Walton, J.	7/7/60	U
CNLM-2718	Preliminary Design of Inter- mediate-Power Reactor Using Advanced Fuel Material	Walton, J.	7/8/60	U
CNLM-2719	Analysis of Pollotizer Operation	Patton, W.	7/7/60	CRD
CNLM-2720	Forced Convection Loop Eval- uation of Cb-20 Ti Alloy	Austin, G.	7/7/60	CRD

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CNLM-2721	Forced Convection Loop Evaluation of Columbium-5 Zirconium Alloy- Forced Convection Corrosion	Austin, G.	7/7/60	CRD
CNLM-2722	Estimated to Charges to Task Order "Advanced Reactor Critical Experiments"	Kennedy, W.	7/7/60	CRD
CNLM-2723	NRTS Powerplant Test Facility Requirements	Hedden, D.	7/8/60	CRD
CNLM-2724	Forced Convection Evaluation of Cb-5 Mo-2 Ti-2 Zr Alloy Forced Convection Corrosion	Austin, G.	7/8/60	CRD
CNLM-2725	Preliminary Hazards Calculations for the NJ-18 Powerplant System	Perry, P.	7/26/60	CRD
CNLM-2726	Forced Convection Loop Evaluation of Cb-5 Ti Alloy	Austin, G.	7/8/60	CRD
CNLM-2727	Forced Convection Loop Evaluation of Cb-10 Ti-3 Mo-3 V	Austin, G.	7/8/60	CRD
CNLM-2728	Advanced Applications of PWAR-11 Type Reactors	Walton, J.	7/11/60	U
CNLM-2729	Reactor Evaluation Studies Using Advanced Materials and Concepts	Walton, J.	7/11/60	U
CNLM-2730	Final Report - Project 1341 Braze Radiator Tiles - PW-104	Rogers, S.	7/8/60	U
CNLM-2731	Final Report - Project 1510	Barker, W.	6/1/60	U
CNLM-2732	Transmittal of FXD-523, Magnetic Tape and Print-Out of Information on Materials and Radiation Flux Data	Meyer, R.	7/8/60	CRD
CNLM-2733	Metallurgical Engineering Progress Report - June, 1960	Treciokas, V.	7/11/60	CRD
CNLM-2734	Confirmation of the Telephone Conversations Between L. A. Ward and R. M. Meyer During the Period June 27 Through July 7, 1960	Meyer, R.	7/8/60	CDI
CNLM-2735	Forced Convection Loop Evaluation of Cb-7 Ti-1 Zr	Austin, G.	7/11/60	CRD

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CNLM-2736	Forced Convection Loop Evaluation of Cb-7 Ti-3 Al-3 V	Austin, G.	7/11/60	CRD
CNLM-2737	Selection of Intermediate Heat Exchanger Unit Size for the NJ-18 Powerplant	Larson, J.	7/11/60	CDI
CNLM-2738	Design Change on Intermediate Heat Exchanger Assembly (1015788)	Randall, D.	7/12/60	U
CNLM-2739	Fabrication of Experimental Alloy Cb-1 Zr (PGQW-T16)	Billin, R.	8/19/60	U
CNLM-2740	Description and Specifications for the JTN-11 Radiator	Wesbecher, J.	7/20/60	CDI
CNLM-2740 (Supp. 1)	Interim JTN-11 Radiator Description and Specifications	Wesbecher, J.	8/23/60	CDI
CNLM-2741	Sonic Testing of LTDR-31 in the PT Laboratory	Turner, G.	7/14/60	U
CNLM-2742	Estimated Cost Breakdowns	Strough, R.	7/12/60	CRD
CNLM-2743	NJ-18A Component Design Information	Gaffin, W.	7/13/60	U
CNLM-2744	Design Change on Intermediate Heat Exchanger Assembly (1015788)	Randall, D.	8/19/60	U
CNLM-2745	Thrust Deterioration from the Use of Compressor Exit Airbleed for Turbine Cooling	Larson, J.	7/13/60	CDI
CNLM-2746	Specimen Testing in NCSF-Type Corrosion Loops	Kulp, R.	7/13/60	CRD
CNLM-2746 (Supp. 1)	Loop Designations Change	Kulp, R.	9/9/60	U
CNLM-2747	Selection of JTN-11 Nozzle	Larson, J.	7/13/60	CDI
CNLM-2748	Request for Quotation Number 963790, R. W. Soliwoda, Buyer	Saliwoda, P.	7/13/60	CRD
CNLM-2749	Delegating to Richard Quimby Authority to Classify Security Information up to and Including Secret and the Power to Redelegate	Beardsley, G.	7/13/60	CRD
CNLM-2750	Delegating to N. W. Bass Authority to Classify Security Information up to and Including Secret and the Power to Redelegate	Beardsley, G.	7/13/60	CRD

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CNLM-2751	Delegating to I. E. Ryshkewitch Authority to Classify Security Information up to and Including Secret and the Power to Redelegate	Beardsley, G.	7/13/60	CRD
CNLM-2752	Work Statement for R.P.O. - 963790 -	Foley, M.	7/14/60	CRD
CNLM-2753	Final Report - Project 1819 - Determine Effect of Increased Dielectric Fluid Pressure on E.D.M. Cutting Rate	Barker, W.	7/14/60	U
CNLM-2754	Investigation of Pickling Cb-1 Zr Forged Material	Niro, J.	7/14/60	U
CNLM-2755	Answers to Questions on Indirect Cycle Materials	Holtsinger, C.	7/14/60	CRD
CNLM-2756	Fabrication of Experimental Alloy Cb-20 Ti-5 Mo (CB-48)	Billin, R.	7/21/60	U
CNLM-2757	Fabrication of Experimental Alloy Cb-20 Ti-5 Mo-1 Zr (OB-47)	Billin, R.	7/21/60	U
CNLM-2758	Request for Design of Remote Machining Equipment by the Experimental Tooling Group	Hawkins, R.	7/15/60	U
CNLM-2759	Transmittal of TIM-613, Supplement 3	Parks, A.	7/15/60	CRD
CNLM-2760	Heat Exchanger for Convair Airplane Powerplant	Means, H.	7/15/60	CRD
CNLM-2763	Metallographic Examination of Aged Electron Beam Welded Cb-1 Zr Alloy Interim Report	Taylor, J. Huegel, F.	9/21/60	CRD
CNLM-2764	NJ-18A Powerplant Operating Speed-Altitude Envelopes	Gaffin, W.	7/21/60	U
CNLM-2765	JTN-11 Exhaust Nozzle	Gaffin, W.	7/19/60	U
CNLM-2766	Materials Laboratory Progress Report June 1960	Raring, L.	7/18/60	CRD
CNLM-2767	PWAR-11C Core Plate Seal and Vent Requirements	Zeisser, M.	7/21/60	CRD
CNLM-2768	Progress Report - June 1960	Strough, R.	7/20/60	CRD

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CNLM-2769	Work Statement for RPO 964162	Greer, G.	7/20/60	U
CNLM-2769 (Supp. 1)	Work Statement for RPO 846859	Greer, G.	2/22/61	U
CNLM-2769 (Supp. 3)	Work Statement for RPO 829972	Smith, D.	4/27/61	CRD
CNLM-2770	Work Statement for RPO 964164	n.a.	7/20/60	U
CNLM-2770 (Supp. 1)	Change in Work Statement for RPO 846834	Greer, G.	2/23/61	U
CNLM-2770 (Supp. 2)	Revision of Work Statement for RPO 847094	Greer, G.	3/17/61	U
CNLM-2771	Compatibility of Various Mate- rials in a Lithium Columbium Environment	Smith, A.	7/21/60	CRD
CNLM-2772	Selection of Intermediate Heat Exchanger Unit Size for the NJ-18 Powerplant	Overman, A.	7/21/60	CDI
CNLM-2773	Water Flow Model Assembly Drawing	Allen, J.	7/19/60	U
CNLM-2774	Division Responsibility for the JTN-11 Engine Research and Development	Pascal, D. Holtsinger, C.	7/20/60	CDI
CNLM-2775	Radiation Testing of Control Drum Drive Components	Parks, G.	7/20/60	U
CNLM-2776	Work Requests	Wesbecher, J.	7/20/60	CDI
CNLM-2777	Experimental Investigation of Fundamental Corrosion Phenomena	Austin, G.	7/20/60	CRD
CNLM-2778	Propulsion System Engineering Monthly Progress Report June, 1960	Meyer, R.	7/21/60	U
CNLM-2779	Engineering Proposal for Design and Development Work on a Nuclear Turbojet Propulsion Unit	Schmickrath, B.	8/24/60	CRD
CNLM-2779 (Supp. 1)	Engineering Proposal for Design and Development Work on a Nuclear Turbojet Propulsion Unit	Schmickrath, B.	9/22/60	CRD

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CNLM-2779 (Supp. 2)	Revisions to Engineering Proposal CNLM-2779	Schmickrath, B.	11/2/60	CRD
CNLM-2780	PWAR 11 Reactor Experiment Development Schedule	n.a.	7/22/60	SRD
CNLM-2781	Cost Estimating, Budgeting and Cost Control (Section G - CANEL Procedures Handbook)	Baldwin, E.	7/26/60	U
CNLM-2782	Analytical Development Assign- ments F.Y. 1961	Hobart, E.	7/26/60	U
CNLM-2783	Proposed Analytical Develop- ment Program - Fiscal 1961	Hobart, E.	7/26/60	U
CNLM-2784	Calculated Gamma and Neutron Spectra at the Control Motors of the PWAR 11C	Woodsum, H.	7/26/60	CRD
CNLM-2785	Patents A-572 and A-573	Delgrosso, E. Krutenat, R.	7/26/60	CRD
CNLM-2786	PWAR-11 Reactor Experiment Development Schedule (Phase II Test)	Krutenat, R.	7/26/60	CRD
CNLM-2787	PWAR-11 Reactor Experiment Development Schedule (Alter- nate Phase I Test)	n.a.	7/26/60	CRD
CNLM-2788	Evaluation of Coatings on Cb-1 Zr Alloy	Stewart, J.	7/29/60	U
CNLM-2789	Fuel Burnup Analysis Report	Kahn, M.	7/29/60	U
CNLM-2790	1960 Annual Meeting of American Nuclear Society	Crume, E.	7/29/60	U
CNLM-2791	Design Changes to Primary Pump Details	Lombard, R.	7/29/60	U
CNLM-2792	Status of Analytical Develop- ment Projects - July 15, 1960	Hobart, E.	8/2/60	U
CNLM-2793	Forces Required for Deflection of Flex Tube, Flex Gear and Attenuator	Smith, A.	7/28/60	U
CNLM-2794	NJ-18A Component Design Infor- mation Requested by CNLM-2743	Whittaker, R.	8/18/60	CRD

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CNLM-2795	Catastrophic Oxidation of Type 316 Stainless Steel	Donnelly, E.	8/19/60	U
CNLM-2796	Operation of Thermal Convection Loop OCL-21	Donnelly, E.	8/12/60	U
CNLM-2797	Outline of PWAR-11C Reactor Assembly Requirements	Banowich, B.	7/29/60	CRD
CNLM-2798	Corrosion Investigation of Heater Exit of Cb-1 Zr Alloy Forced Convection Loop LCCBK-3A3	Abrams, E.	9/16/60	CRD
CNLM-2799	Analysis of Test Specimens Heated to 2000F for 250 Hours	Abrams, E.	9/16/60	CRD
CNLM-2800	Polar Moment of Inertia of TP-1 Pump Rotor	Standley, P.	7/29/60	U
CNLM-2801	Procurement of Special Bearings for Control Drum Drive Mechanism	Parks, G.	8/2/60	CRD
CNLM-2802	Requests for Materials Change on THFH-21	Beeghly, E.	7/29/60	U
CNLM-2803	Evaluation of Coatings on Columbium Alloy	Stewart, J.	8/2/60	U
CNLM-2804	JTN-11 Shaft Liner Cooling	Fritz, R.	8/1/60	CDI
CNLM-2805	Monthly Progress Report for June 1960	Schmickrath, B.	8/2/60	CRD
CNLM-2806	Common Part List for Reactor Cold Flow Test and the Individual Reflector and Control Drum Cold Flow Tests	Bernstein, E.	8/2/60	U
CNLM-2807	Flight Spectrum for NJ 18 Performance Calculations	Shepardson, J.	8/4/60	U
CNLM-2808	NJ 19 Radiator Study	Shepardson, J.	8/11/60	CDI
CNLM-2809	Systems Analysis Group Progress Report - July 1960	Larson, J.	8/3/60	CDI
CNLM-2810	Instrumentation Requirements for the Reactor Experiment Valves	Nelson, C.	8/3/60	CRD

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CNLM-2811	Preliminary Study of Helium Requirements for Afterheat Removal in Convair NJ-18A	Arnstein, R.	8/11/60	CRD
CNLM-2812	NJ-18A Component Design Information Request Dated July 13	Larson, J.	8/9/60	CDI
CNLM-2813	JTN-11 Performance Data	Meyer, R.	8/4/60	U
CNLM-2814	PWAR-11C Fuel Element Identification System	Bigelow, C.	8/9/60	CRD
CNLM-2815	JTN-11 Engine Without Afterburner	Meyer, R.	8/4/60	U
CNLM-2816	MSAR Depleted and Enriched Samples	Holtsinger, C.	8/5/60	CRD
CNLM-2817	Core Skirt Thickness Requirement	Bigelow, C.	8/9/60	U
CNLM-2818	Irradiation Data on Beryllia (Phone Conversation with A. Frass, ORNL)	Zeisser, M.	8/9/60	U
CNLM-2819	Re Inpile Capsule Number PW21-272 and Inpile Capsule PW21-270	Parks, A.	8/10/60	U
CNLM-2820	Presentation to the Atomic Energy Commission August 3, 1960	n.a.	8/9/60	CRD
CNLM-2821	Cost Estimate Request and Check List Forced Convection Loop Evaluation of Cb Alloy and 316 Stainless Steel in NaK	Austin, G.	8/8/60	U
CNLM-2822	Metallurgical Engineering Progress Report for July 1960	Treciokas, V.	8/9/60	CRD
CNLM-2823	Zr Analysis of Cb-1Zr Heat Codes PHJT, PHJU, PHPM, PHJW, PHJX	Fornwalt, D.	9/28/60	U
CNLM-2824	Preliminary Powerplant Specifications	Meyer, R.	8/9/60	U
CNLM-2825	NJ-18A Component Design Information	Larson, J.	8/15/60	CRD
CNLM-2826	JTN-11 Estimated Performance	Larson, J.	8/11/60	CDI

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CNLM-2827	Fabrication of Experimental Alloy, Cb-5 Zr (GB-56)	Billin, R.	8/12/60	U
CNLM-2828	Fabrication of Experimental Alloy, Cb-5 V-0.75 Fe (GB-49)	Billin, R.	8/12/60	U
CNLM-2829	Classification of Panel Temperature at MTR-ETR	Parks, A.	8/9/60	CRD u
CNLM-2830	NJ-18A Powerplant Emergency Operation	Larson, J.	8/11/60	CRD
CNLM-2831	Work Statement for RPO's 924832 and 924833	n.a.	8/12/60	CRD
CNLM-2832	Statement of Work Under Contract Number AT(11-1)-229 Applicable for Period October 1, 1960 Through September 30, 1961	n.a.	8/10/60	CRD
CNLM-2832 (Rev. 1)	Statement of Work Under Contract Number AT(11-1)-229 Applicable for Period October 1, 1960 Through September 30, 1961	n.a.	8/26/60	CRD
CNLM-2833	Fabrication of Cb-1 Zr Alloy, GB-57	Billin, R.	8/17/60	U
CNLM-2834	Fabrication Record - Cb-20 Ti, GB-60	Billin, R.	8/17/60	U
CNLM-2835	Progress Report - July 1960	Strough, R.	8/17/60	CRD
CNLM-2836	The Thermal Expansion and Electrical Resistivity of Columbium 7.5 Percent Titanium, Cb-79	Harrington, L.	8/17/60	U
CNLM-2837	Analog Study of PWAR-11C Poison Sector	Snopkowski, D.	9/7/60	U
CNLM-2838	Analog Study of 6.55 Mw Heater Bus-Lug	Silfen, G.	8/29/60	U
CNLM-2839	Operation of Thermal Convection Loop CCL-22	Donnelly, E.	9/14/60	U

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CNLM-2840	Rough Draft - Engineering Program Covering Both Florida and CANEL Work Re Engine and Engine Components	Meyer, R.	8/15/60	CDI
CNLM-2841	Fabrication Record - Cb-8 Ti-4 Mo Alloy, PHKO	Billin, R.	8/17/60	U
CNLM-2842	Statement of Work Re Air Force Contract Proposal October 1, 1960 to October 1, 1961	Meyer, R.	8/15/60	CRD
CNLM-2843	Evaluation of Coatings on Columbium Alloy	Lieberman, W.	8/18/60	CRD
CNLM-2844	Procurement of Columbium-1 Percent Zirconium Wide Sheet and Plate	Treciokas, V.	8/19/60	U
CNLM-2845	Fuel Burnup Analysis Report	Kahn, M.	8/23/60	CRD
CNLM-2846	JTN-11 Engine Without Afterburner, Data Request of August 4, 1960	Larson, J.	8/16/60	U
CNLM-2847	Estimated Performance for a Duct Burning Turbofan Version of the JTN-11	Larson, J.	8/19/60	CDI
CNLM-2849	Design Request for LCCBX and LCCBY Forced Convection Corrosion Loop	Kulp, R.	8/19/60	CRD
CNLM-2850	Transmittal of CNLM-2239, Vol. II (Dele), PWAC-291 and CNLM-1780	Strough, R.	8/17/60	CRD
CNLM-2851	Additional NJ-18A Design Information	Turner, G.	8/23/60	U
CNLM-2852	Materials Laboratory Progress Report for July 1960	Raring, L.	8/17/60	CRD
CNLM-2853	JTN-11 Radiator Optimization Study	Larson, J.	8/18/60	U
CNLM-2854	Revised Operating Procedure for Pneumatic Controls Irradiation Test of Moore Model 68-1 M. F. Relays	Shea, T.	8/31/60	U

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CNLM-2855	Propulsion System Engineering Monthly Progress Report July, 1960	Meyer, R.	8/18/60	CRD
CNLM-2856	PWAR-11C Liquid Metal Valve Actuation Gas and Pressure Balance Gas	Schaefer, R.	8/19/60	U
CNLM-2857	Air Pressure Losses for JTN-11	Hoey, M. Lymph, M.	8/23/60	CDI
CNLM-2858	Request for BeO Corrosion and Erosion Data in Flowing Lithium	Bigelow, C. Kuhns, R.	8/26/60	CRD
CNLM-2859	JTN-11 NaK Pipe Penetration Thermal Analysis	Donnelly, E.	9/21/60	CDI
CNLM-2861	Control of Radiator NaK Inlet Temperature in the NJ-18A Powerplant	Turner, G.	8/24/60	U
CNLM-2862	Work Statement for R. P. O. Number 927312	Golec, W.	8/23/60	U
CNLM-2862 (Supp. 1)	Work Statement for Hoover Tool - AEC 39573 United to Furnish Material	Golec, W.	10/31/60	U
CNLM-2862 (Supp. 2)	Work Statement for Hoover Tool - AEC 39573	Beattie, R.	11/3/60	U
CNLM-2862 (Rev. 3)	Work Statement for Hoover Tool - AEC 39573	Allyn, M.	2/10/61	U
CNLM-2863	NJ-18 Powerplant Weight	Larson, J.	8/22/60	CRD
CNLM-2864	NJ-19 Matching Assumptions	Shepardson, J.	8/26/60	CDI
CNLM-2865	Trip Report to Rand, Santa Monica, Convair, San Diego and North American Aviation, Los Angeles, California	Lueckel, W.	8/26/60	CRD
CNLM-2866	Compatibility of Various Materials in a Lithium- Columbium Environment	Currie, C.	8/26/60	CRD

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CNLM-2867	Transmittal of Reports Requested by F. A. Crawford Re Nuclear Propulsion System Data to be Used in Cargo Aircraft Studies	Beardsley, G.	8/25/60	U
CNLM-2868	Turbopump Information Required for the NJ-18A Preliminary Powerplant Specification	Andrews, N.	8/26/60	U
CNLM-2869	Reactor and Shield Information Required for the NJ-18A Preliminary Powerplant Specification	Andrews, N.	8/26/60	U
CNLM-2870	Summary of Cost - May, 1960 Contracts AF 33-038-27341 AF 33-600-40548, AF 33-600-41233 and AT 11-1-229	n.a.	8/25/60	U
CNLM-2871	Analysis of Amounts Invoiced - Contract AT 11-1-229 - May 1960	n.a.	8/25/60	U
CNLM-2872	Engineering and Development - Contract Number AF 33-600-40548 - Commitment Status	n.a.	8/25/60	U
CNLM-2873	Analysis of Amounts Invoiced - Contract AF 33-038-27341 - May 1960	n.a.	8/25/60	U
CNLM-2874	Analysis of Amounts Invoiced - Contract AF 33-600-40548 - May 1960	n.a.	8/25/60	U
CNLM-2875	Analysis of Amounts Invoiced - Contract Number AF 33-600-41233 - May 1960	n.a.	8/25/60	U
CNLM-2876	PWAR-11C Upper Closure Reinforcement Cooling, Venting and Structure Requirements	Banach, H. Zeisser, M.	8/31/60	CRD
CNLM-2877	Presentation to the General Advisory Committee of the Atomic Energy Commission at the ANP Area National Reactor Testing Station	n.a.	9/1/60	CRD
CNLM-2878	Status Report on the Reactor Cold Flow Model (4909M-1)	Bernstein, E.	8/26/60	U

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CNLM-2879	Division of Responsibility Between Convair and CANEL	Gaffin, W.	8/29/60	U
CNLM-2880	Estimated Performance of a Two-dimensional Ejector Nozzle for the B-70	Daum, N.	8/26/60	CDI
CNLM-2881	Design of LCCDA Type "Slave" Corrosion Loop	Bersin, G.	9/21/60	CRD
CNLM-2882	Feasibility of a Borated Aromatic Base Fluid for a Post Test Liquid Metal Flush in the 11C	Ott, W.	8/29/60	U
CNLM-2883	Identification of Hypodermic Tubing in the Reactor Cold Flow Model (4909M-1)	Bernstein, E.	8/31/60	U
CNLM-2884	Teflon in a Nuclear Radiation Field	Meyer, R.	8/29/60	CRD
CNLM-2885	Study of Influence on Propulsion System Weight of Choice of Engine Design Point	Meyer, R.	8/29/60	U
CNLM-2886	Protection of Pump Parts During Handling and Storage	Marman, H. Wood, G.	8/31/60	U
CNLM-2887	Lithium Bonding Cb-1Zr Alloy Pins	Kobren, L.	9/13/60	CRD
CNLM-2888	Shielding Information Requested by Convair Fort Worth for the Reactor Powerplant	Johnson, H.	8/31/60	CRD
CNLM-2889	Transmittal of TIM-613, Supplement 4	Parks, A.	9/2/60	CRD
CNLM-2890	Information Required for NJ-18A Powerplant Preliminary Specification	Andrews, N.	8/31/60	U
CNLM-2891	Transmittal of CNLM-2888 and Answers to Three Questions Listed by Arthur Reetz	Meyer, R.	8/31/60	CDI
CNLM-2892	Design Dimensions of the P&WA Divided Shield Mock-up for the TSR-II	n.a.	9/22/60	CRD
CNLM-2893	Brazing of Hermetic Seals, FSK-11807	Neumeister, R.	9/9/60	U

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CNLM-2894	Primary System Cold Flow Model (Models 4909M-1, 6, 7, 8, 9, & 12)	Bernstein, E.	9/2/60	U
CNLM-2895	Cost Estimate for 3 Kw Power-plant Simulator Test	Walton, J.	9/2/60	U
CNLM-2896	Transmittal of CNLM-2487 and Report on Additional Work Required to Resolve Discrepancies in Columbium-1 Zirconium Alloy Aging Data	Holtsinger, C.	9/1/60	CRD
CNLM-2897	Monthly Progress Report Under Contracts AT(11-1)-229, AF 33 (600)-41233, and AF 33(600)-4058	Beardsley, G.	9/2/60	CRD
CNLM-2898	NJ18A Powerplant Weight at Reduced Sea Level Design Point Mach Number	Shepardson, J.	9/27/60	CRD
CNLM-2899	Work Statement for RPO-915655	Smith, D.	9/8/60	U
CNLM-2901	Justification of the Requirement for Funding of the Prototype Propulsion Reactor Development Work in Fiscal Year 1962	Holtsinger, C.	9/2/60	CRD
CNLM-2902	Evaluation of Coatings on Columbium Alloy	Lieberman, W.	9/9/60	CRD
CNLM-2903	Liquid Metal Piping and Valve Information Required for the NJ-18A Preliminary Powerplant Specification	Andrews, N.	9/6/60	U
CNLM-2904	Request for Material Inventory of PWAR-11C Reactor	Bigelow, C.	9/8/60	CRD
CNLM-2904 (Supp. 1)	Request for Material Inventory of PWAR-11C Reactor	Bigelow, C.	1/26/61	CRD
CNLM-2905	Proposal for an Investigation of the Work Hardening Behavior of Body Centered Cubic Refractory Metals	Gregory, D.	10/5/60	U
CNLM-2905 (Supp. 1)	Proposal for an Investigation of the Work Hardening Behavior of Body Centered Cubic Refractory Metals Revised Work Statement and Revised Cost Breakdown December 13, 1960	Rowe, G.	12/14/60	U

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CNLM-2906	Information for Monthly Progress Report	Steele, R.	9/6/60	CRD
CNLM-2908	NTN-11 Radiator Optimization Study	Meier, R.	9/21/60	CDI
CNLM-2909	Tentative Assumptions Concerning Responsibility for the NJ18A Propulsion System Power Package for the Convair NX2 Airplane	Meyer, R.	9/9/60	CDI
CNLM-2909 (Rev. 1)	Tentative Assumptions Concerning Responsibility for the NJ18A Propulsion System Power Package for the Convair NX2 Airplane	Meyer, R.	9/23/60	CDI
CNLM-2910	Haynes-25 Alloy Evaluation Program	Austin, G.	9/23/60	U
CNLM-2911	Engine Airflow Necessary to Remove Reactor Heat After Shutdown	Kummerer, K.	9/16/60	U
CNLM-2912	Proposed Fill and Drain System, Heat and Cool System for the NJ-18A Powerplant	Greene, R.	9/16/60	CRD
CNLM-2913	Systems Analysis Group Progress Report - August 1960	Larson, J.	9/8/60	CDI
CNLM-2914	The Design of Compact Fast Liquid-metal-Cooled Reactors for Space Systems	Walton, J.	9/8/60	CRD
CNLM-2915	The Reactor and Shield Information for the NJ-18A Preliminary Powerplant Specifications Requested in CNLM-2869	Alessandro, L. Johnson, H. Perry, P.	9/16/60	CRD
CNLM-2915 (Supp. 1)	Revised Drawings of NJ-18A Reactor Shield	Johnson, H.	2/14/61	CRD
CNLM-2916	Material for LP-1 Pump Impeller Shroud	Lombard, R.	9/13/60	U
CNLM-2917	LP-1 Pump Impeller Shroud	Lombard, R.	9/13/60	U
CNLM-2918	NJ-18 Heat Exchangers	Overman, A.	9/9/60	CRD

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CNLM-2919	NJ-18A Preliminary Powerplant Specifications	Murphy, J.	10/4/60	CRD
CNLM-2920	Interim Report Number 4 - Project 2410 Breakdown Machining of Test Package	Goodin, L.	9/9/60	U
CNLM-2921	Heat Deposition in PWAR-11 Reflector Cooling Channels	Morris, R. Snopkowski, D.	9/26/60	CRD
CNLM-2922	Mechanical Properties of Columbium Alloys Supplied by the Alloy Development Group	Lieberman, W.	9/15/60	CRD
CNLM-2923	Design and Installation of a Cold Trap and Plugging Indicator System in the 1 MW Test Loop	Flynn, J.	9/16/60	U
CNLM-2924	NJ-18 Performance at Elevated Temperatures	Meier, R.	9/16/60	CDI
CNLM-2925	Metallurgical Engineering Progress Report for August 1960	Treciokas, V.	9/12/60	CRD
CNLM-2926	Corrosion Test of Cb-1Zr Alloy Remelted Ingot Heat Code PIEC	Kobren, L.	9/16/60	CRD
CNLM-2927	Identification System for the Low Power Reactor Test Installation	Schaefer, R.	9/16/60	CDI
CNLM-2928	Progress Report - August 1960	Strough, R.	9/16/60	CRD
CNLM-2929	Request for Reactor-Shield Study	Gaffin, W.	9/21/60	CRD
CNLM-2930	Radiator Weight Estimate for NJ-19 Powerplant	Larson, J.	9/15/60	CDI
CNLM-2931	Propulsion System Engineering Monthly Progress Report August 1960	Meyer, R.	9/16/60	SRD
CNLM-2932	One Megawatt Loop Number 1 Heater Leg Failures	Doughty, C.	9/16/60	U

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CNLM-2935	Work Statement for RPO 924927 to Purchase the Following: Accountable Material Part Number 1015338 (B-41)	n.a.	9/20/60	CRD
CNLM-2936	Proposed Intermediate Temperature Heat Exchanger Test	Randall, D.	9/16/60	CRD
CNLM-2937	Information Relating to the Scaling of the Shaped-unit Shield Data in PWAC-287	Meyer, R.	9/23/60	CRD
CNLM-2938	Analysis of Amounts Invoiced - Contract AF 33-038-27341 - June 1960	n.a.	9/23/60	U
CNLM-2939	Analysis of Amounts Invoiced Contract AF 33-600-40548 - June 1960	n.a.	9/23/60	U
CNLM-2940	Analysis of Amounts Invoiced - Contract Number AF 33-600-41233 - June 1960	n.a.	9/23/60	U
CNLM-2941	Milestone Management System Indirect Cycle Reactors List 1, Revision 3 - Low Power Reactor Experiment September 28, 1960	Holtsinger, C.	10/4/60	CRD
CNLM-2941 (Rev. a)	Milestone Management System - Indirect Cycle Reactors, List 1, Revision 4. Low Power Reactor Experiment	Smith, A.	1/4/61	CRD
CNLM-2942	Milestone Management System - Indirect Cycle Reactors List 2, Revision 2 Advanced Applications	n.a.	9/28/60	CRD
CNLM-2942 (Rev. 3)	Milestone Management System - Indirect Cycle Reactors List 2, Revision 3 - Advanced Applications	Smith, A.	1/19/61	CRD
CNLM-2943	Milestone Management System Indirect Cycle Reactors List 3, Revision 1 - United States Air Force Development Schedule	Holtsinger, C.	9/30/60	CRD
CNLM-2943 (Rev. 2)	Milestone List 3, Revision 2, United States Air Force Research and Development Schedule	Holtsinger, C.	3/7/61	CRD

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CNLM-2944	The Thermal Neutron Flux Depression in a Lithium Hydride Capsule Irradiated in the MTR	Ott, W.	10/11/60	U
CNLM-2945	Heat Exchanger Selection for NJ-18	Means, H.	9/19/60	CRD
CNLM-2946	Propulsion System Engineering Monthly Progress Report, August 1960	Meyer, R.	9/19/60	CRD
CNLM-2947	Materials Laboratory Progress Report August 1960	Raring, L.	9/20/60	CRD
CNLM-2948	Design Changes Required for Control Drum Drive Mechanism	Parks, G.	9/23/60	CRD
CNLM-2949	Inspection Control for Fabrication and Assembly of Stainless Steel Liquid Metal Valves	Nelson, C.	9/22/60	U
CNLM-2950	Damage to JP-5 Fuel	Meyer, R.	9/27/60	U
CNLM-2951	Possibility of Significant WADD Support for Expanded Research Effort on Fundamental Solid State and Mechanical Metallurgy at CANEL	Rowe, G.	9/26/60	U
CNLM-2952	Analysis of Amounts Invoiced - Contract AT 11-1-229 - June 1960	n.a.	9/23/60	U
CNLM-2953	Engineering and Development - Contract Number AF 33-600-40548 - Commitment Status - June 1960	n.a.	9/23/60	U
CNLM-2954	Summary of Cost - June, 1960 - Contracts AF 33-038-27341; AF 33-600-40548; AF 33-600-41233 and AT 11-1-229	n.a.	9/23/60	U
CNLM-2955	Extrusion of 8 Inch Diameter Cb-1Zr Ingot at Canton Drop Forge Corporation	Stewart, J.	10/4/60	U
CNLM-2957	Effect of Prolonged Material Storage on Columbium-1 Zirconium Weld Quality	Doughty, C.	9/27/60	U

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CNLM-2958	Quarterly Progress Report July - September 1960	Treciokas, V.	9/27/60	CRD
CNLM-2959	Design Requirements for Dolly Liquid Metal System Tankage	Banach, H.	9/27/60	U
CNLM-2960	Request for Reactor-Shield Study	Lueckel, W.	9/28/60	CRD
CNLM-2961	Preliminary Study for Raising Temperature of NJ18A Primary Loops Prior to Lithium Fill	Arnstein, R.	9/29/60	CRD
CNLM-2962	Divided Shield Calculation for the Nuclear B-70 Airplane	Perry, P.	9/27/60	CRD
CNLM-2963	Tentative Assumptions Concerning Responsibility for the NJ18A Pro- pulsion System Power Package for the Convair NX2 Airplane	Meyer, R.	9/27/60	CDI
CNLM-2964	Additions (Two) to the Commit- ment List	Meyer, R.	9/27/60	CDI
CNLM-2965	Presentation to the Advisory Committee on Reactor Safe- guards September 22, 1960	n.a.	9/29/60	CRD
CNLM-2966	Transmittal of CNLM-2248 and CNLM-2962	Beardsley, G.	9/28/60	CRD
CNLM-2967	Preliminary Design of the Pressurization and Dump Valve for the JTN11 Engine	Meyer, R.	9/28/60	U
CNLM-2968	Radiator Weight and Envelope Estimate for NJ-19 Powerplant	Horan, J.	10/6/60	CDI
CNLM-2969	Evaluation of Cb-5 Percent Zr Fusion Welds	Stewart, J.	10/6/60	CRD
CNLM-2970	Your Verbal Request for Veri- fication of NJ-18 Engine Radiator Performance with Interim Proposed Modifi- cations	Horan, J.	10/7/60	CDI
CNLM-2971	Request for Reactor-Shield Study	Lueckel, W.	10/4/60	U

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CNLM-2972	Progress Report Outline for Period July, August and September 1960	n.a.	9/29/60	CRD
CNLM-2973	Monthly Progress Report Under Contracts AT(11-1)-229, AF 33 (600)-41233 and AF 33(600)-40548	Beardsley, G.	9/29/60	CRD
CNLM-2974	Flexibility Analysis of Piping Systems at CANEL	Robinson, D.	10/3/60	U
CNLM-2975	NJ18A Powerplant Weight at Reduced Sea Level Design Point Mach Number	Shepardson, J.	9/30/60	CRD
CNLM-2976	Start-up Sources	Tedeschi, V.	9/30/60	CRD
CNLM-2977	Cb-5 Mo-2 Ti-2 Zr Program	Delgrosso, E. et al	10/6/60	CRD
CNLM-2978	Mechanical Properties of Columbium Alloys Supplied by the Alloy Development Group	Lieberman, W.	10/6/60	CRD
CNLM-2979	Request for Declassification of the Fact that Columbium-Zirconium Alloy is in Use in the PWAR-11C and PWAR-11 Reactors	Beardsley, G.	10/3/60	CRD
CNLM-2980	Request for an Analog Study of Shield Heating	Stello V.	10/6/60	U
CNLM-2981	JTN-11 Turbojet Engine Idle Performance	Larson, J.	10/4/60	CRD
CNLM-2982	Systems Analysis Group Progress Report - September 1960	Larson, J.	10/5/60	CRD
CNLM-2983	Fabrication Record-Cb-5Zr Alloy, GB-68	Billin, R.	10/10/60	U
CNLM-2984	Fabrication Record - Cb-5Ti Alloy, GB-78	Billin, R.	10/10/60	U
CNLM-2985	Program for Investigating the Volatilization of Oxides from Experimental Alloys	Krutenat, R.	10/4/60	CRD
CNLM-2986	Visit to Hamilton Standard Division October 4, 1960	Greene, R.	10/6/60	CDI

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CNLM-2987	Classification of PW-104S Radiator Test Data	Miller, J.	10/7/60	U
CNLM-2988	Request for Reactor-Shield Study	Lueckel, W.	10/10/60	CRD
CNLM-2989	Evaluation of Commercial Ceramic Coatings for Short Time Protection of Columbium 1 Percent Zirconium	McGrath, D.	10/27/60	U
CNLM-2990	Transmittal of Colored Slides and Corresponding Negatives	Beardsley, G.	10/7/60	CRD
CNLM-2991	Recalculated Neutron Spectra at the Control Motors of the PWAR 11C	Woodsum, H.	10/11/60	CRD
CNLM-2992 (Part 1)	Rough Draft for PWAC-311	n.a.	10/7/60	SRD
CNLM-2992 (Part 2)	Rough Draft-Performance Curves to be Used in PWAC-311	n.a.	10/7/60	CRD
CNLM-2993	NJ-18 Performance with NaK Radiator	Shepardson, J.	10/13/60	CDI
CNLM-2994	Reactor Cold Flow Distribution Test	Bernstein, E.	10/12/60	CRD
CNLM-2995	Summary of Changes in the Program of Work Under Contract AT(11-1)-229 for the Fiscal Year 1961	Holtsinger, C.	10/10/60	CRD
CNLM-2996	Metallurgical Engineering Progress Report for Month of September, 1960	Treciokas, V.	10/11/60	CRD
CNLM-2997	Developmental Responsibilities	Parks, G.	10/12/60	U
CNLM-2998	Request for Cost Estimate for Columbium-Lithium In-Pile Loop	Steele, R.	10/28/60	CRD
CNLM-3000	Fuel Burnup Analysis Report	Kahn, M.	10/21/60	CRD
CNLM-3001	NJ-18 Performance with NaK Radiator	Shepardson, J.	10/20/60	CDI
CNLM-3002	Fabrication Record - Cb-2Ti Alloy, GB-77	Billin, R.	10/17/60	U

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CNLM-3003	Fabrication Record - Cb-1Ti Alloy, GB-76	Billin, R.	10/17/60	U
CNLM-3004	Meeting of the CANEL Welding and Brazing Committee on October 4, 1960	Lea, K.	10/18/60	U
CNLM-3005	Request for Design Changes in Power Transfer Column	Zeisser, M.	10/17/60	U
CNLM-3006	NJ-18 Performance with NaK Radiator	Shepardson, J.	10/17/60	CDI
CNLM-3007	Monthly Progress Report - September 1960	Parks, A.	10/14/60	CRD
CNLM-3008	Upgrading of CNLM-2862 Transmittal of Receipts for CNLM-2862	Beardsley, G.	10/14/60	CRD
CNLM-3009	Propulsion System Performance Studies - Possibilities for Improving Thrust and Weight	Meyer, R.	10/17/60	U
CNLM-3010	NaK/Lithium - OS - 124 Compatibility Testing	Teller, S.	10/18/60	CRD
CNLM-3011	Control Drum Tube Sheet Thickness Change	Bigelow, C.	10/20/60	U
CNLM-3012	Review of FXM-4544	Friedstein, H.	10/24/60	U
CNLM-3013	TSR-II Divided Shield Experiment - Proposed Measurements for P&WA Mockup	n.a.	10/21/60	CRD
CNLM-3014	Liquid Waste from Fuel Fabrication Laboratory	Kerr, G.	10/24/60	U
CNLM-3015	Trip Report to Convair, Fort Worth 10/3/60	Greene, R.	10/20/60	U
CNLM-3016	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	10/24/60	SRD
CNLM-3016 (Rev. 1)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	11/3/60	SRD

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CNLM-3016 (Rev. 2)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	11/18/60	SRD
CNLM-3016 (Rev. 3)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	12/29/60	SRD
CNLM-3016 (Rev. 4)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	2/22/61	SRD
CNLM-3016 (Rev. 5)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	3/21/61	SRD
CNLM-3016 (Rev. 6)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	4/12/61	U
CNLM-3016 (Rev. 7)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	5/22/61	CRD
CNLM-3017	Analog Study of PWAR-11C Breech Lock Flange During Annealing of Closure Weld	Snopkowski, D.	10/21/60	CRD
CNLM-3018	Agenda for NJ-18A Powerplant System Co-Ordination Meeting with Convair at CANEL October 27, 1960	n.a.	10/20/60	U
CNLM-3018 (Supp. 1)	Agenda for NJ-18A Powerplant System Coordination Meeting with Convair at CANEL October 27, 1960	n.a.	10/27/60	U
CNLM-3020	Research and Development Work on Heat Exchangers and Turbo-pumps for the Intermediate Propulsion	n.a.	10/20/60	CRD
CNLM-3021	Evaluation of Coating on Columbium Alloy	Lieberman, W.	10/21/60	CRD
CNLM-3022	JTN-11 Radiator and Case	Gaffin, W. Greene, R.	10/21/60	CDI

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CNLM-3023	Materials Laboratory Progress Report September 1960	Raring, L.	10/20/60	CRD
CNLM-3024	Progress Report - September 1960	Strough, R.	10/21/60	CRD
CNLM-3025	Report of Visit to Convair, Fort Worth 10/18/60	Larson, J.	10/21/60	CDI
CNLM-3026	Fuel Elements Which Have Been Irradiated	Holtsinger, C.	10/20/60	CRD
CNLM-3028	Analysis of Amounts Invoiced - Contract Number AF 33-600-41233 - July 1960	n.a.	10/21/60	U
CNLM-3029	Analysis of Amounts Invoiced Contract AF 33-600-40548 - July 1960	n.a.	10/21/60	U
CNLM-3030	Analysis of Amounts Invoiced - Contract AF 33-038-27341 - July 1960	n.a.	10/21/60	CDI
CNLM-3032	Summary of Cost on Contract AT 11-1-229, AF 33-039-27341 and AF 33-600-40548 and AF 33-600-41233 - July, 1960	n.a.	10/21/60	U
CNLM-3033	NJ-18 Hot Day Performance	Shepardson, J.	10/27/60	CDI
CNLM-3034	Analysis of Amounts Invoiced Contract AT 11-1-229 July 1960	n.a.	10/21/60	U
CNLM-3035	Analysis of Amounts Invoiced Contract Number AT 11-1-229 - Contract Year to Date July 1960	n.a.	10/21/60	U
CNLM-3036	Temporary Storage Area at X885	Bernstein, E.	10/31/60	U
CNLM-3037	Analysis of Amounts Invoiced Contract AT 11-1-229 Total to Date Work Order Number	n.a.	10/21/60	U
CNLM-3038	Engineering and Development Commitment Status July 1960	n.a.	10/21/60	U
CNLM-3039	Engine Radiators for Advanced Versions of NJ-18 Powerplant	Horan, J.	11/3/60	CDI

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CNLM-3041	Physical Properties of P&WA - CANEL Ceramic Materials. Statement of Work to be Performed by Armour Research Foundation of Illinois Institute of Technology for UAC - P&WA CANEL	n.a.	10/21/60	CRD
CNLM-3042	Work Order Numbers	Smith, S.	10/21/60	U
CNLM-3043	Fabrication Record - Cb-5V-0.8 Alloy (GB-62)	Billin, R.	10/25/60	U
CNLM-3044	The Thermal Expansion and Electrical Resistivity of Four Columbium - Titanium Alloys	Harrington, L.	10/31/60	U
CNLM-3045	A Program for Dispersion Type Columbium Alloys	Craig, R.	10/21/60	CRD
CNLM-3046	Research and Development Work on Heat Exchangers and Turbo-pumps for the Intermediate Propulsion Reactor	n.a.	10/26/60	CRD
CNLM-3047	Distribution of CNLM Memorandums	Meyer, R.	10/24/60	U
CNLM-3048	Manpower Requirements - Radiation Effects Unit	Parks, A.	10/24/60	CRD
CNLM-3049	Continuation of the Oxidation of Cb-1Zr	Delgrosso, E.	10/25/60	CRD
CNLM-3050	Manifold Design	Horan, J.	11/1/60	U
CNLM-3051	Production of Sheet from Cb-8Ti-4Mo Alloy (PHKO)	Billin, R.	10/31/60	U
CNLM-3052	Analysis of Amounts Invoiced Contract AF 33-038-27341 - August 1960	n.a.	10/26/60	U
CNLM-3053	Analysis of Amounts Invoiced - Contract AF 33-600-40548 - August 1960	n.a.	10/26/60	U
CNLM-3054	Analysis of Amounts Invoiced Contract Number AF 33-600-41233 - August 1960	n.a.	10/26/60	CDI
CNLM-3055	Analysis of Amounts Invoiced - Contract AT-11-1-229 August 1960	n.a.	10/26/60	U

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CNLM-3056	Summary of Cost on Contract AT-11-1-229, AF 33-038-27341, AF 33-600-40548 and AF 33-600- 41233 - August, 1960	n.a.	10/26/60	U
CNLM-3057	Engineering and Development Contract Number AF 33-600- 40548 - Commitment Status - August, 1960	n.a.	10/26/60	U
CNLM-3058	Milestone Management System	Smith, S.	10/28/60	U
CNLM-3058 (Rev. 1)	Milestone Management System	Smith, S.	11/16/60	U
CNLM-3058 (Rev. 2)	Milestone Reporting Dates Outline of the Aircraft Power- plant Primary Pump and Heat Exchanger Development Pro- gram, Transmitting Three Copies of CNLM-3046	Smith, S.	2/23/61	U
CNLM-3059	Outline of the Aircraft Power- plant Primary Pump and Heat Exchanger Development Program, Transmitting Three Copies of CNLM-3046	Holtsinger, C.	10/27/60	U
CNLM-3060	NJ-18A Liquid Metal Piping	Meier, R.	2/1/60	CRD
CNLM-3061	PWAR-11 Schedule - Metallur- gical Engineering Require- ments	Treciokas, V.	10/28/60	CRD
CNLM-3062	Work Order Change-over	Brautigam, H.	10/28/60	U
CNLM-3063	Evaluation of Coatings on Columbium Alloys	Lieberman, W.	11/2/60	CRD
CNLM-3064	Mechanical Properties of Colum- bium Alloys Supplied by the Alloy Development Group	Lieberman, W.	11/1/60	CRD
CNLM-3065	Changes to CNLM-2322 Rev. B. Resulting from Extension of the 10 MW Test Program	n.a.	11/2/60	CRD
CNLM-3066	JTN11 Idle on Chemical Fuel	Larson, J.	11/1/60	CDI
CNLM-3067	D.C. Motor Performance in a Helium Atmosphere	Otfinsoki, W.	11/3/60	U
CNLM-3069	Typical Operating Cycle of an Airplane Powered by the NJ-18A Powerplant	Gaffin, W.	11/3/60	CRD

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CNLM-3070	Design Request for Radiator Test Core TDF-12	Flynn, J.	11/7/60	U
CNLM-3071	Monthly Progress Report Under Contracts AT(11-1)-229, AF 33(600)-41233, and AF 33(600)-40548	Schmickrath, B.	11/1/60	CRD
CNLM-3072	Initial NJ18A Propulsion System Test	Meyer, R.	11/2/60	U
CNLM-3073	Second-guessing PW-104 (NJ-18) Matrix Performance	Horan, J.	11/4/60	CDI
CNLM-3074	LM Disposal in Idaho	Brown, A.	11/2/60	CRD
CNLM-3075	NJ-18A Powerplant Sealing Methods	Daum, N.	11/7/60	CRD
CNLM-3076	Milestone Management System Indirect Cycle Reactors List 2 Revision 2, Advanced Applications	Beardsley, G.	11/2/60	CRD
CNLM-3077	Minutes of Meeting Between Convair Fort Worth and P&WA Personnel on October 27-28, 1960	Greene, R.	11/3/60	CRD
CNLM-3078	Thermocouple Calibration Capsule Design	Tarasewich, A.	11/2/60	U
CNLM-3079	Installation Requirements of the PWAR-11C Radiation Sensors	Harrison, R.	11/9/60	CRD
CNLM-3080	Fabrication of Sheet from Cb-5Mo-2Ti-2Zr, Cb-5V-0.4 Fe and Cb-7Ti-3V-2Al Buttons	Billin, R. Sabo, B.	11/8/60	U
CNLM-3081	Output Format of CANEL 1-D	Ott, W.	11/9/60	CRD
CNLM-3082	Classification of Letter Dated 10/28/60 from C. E. Nelson to E. H. McVeigh (CNLZ-406)	Beardsley, G.	11/3/60	CRD
CNLM-3084	Cleaning Procedures for Reactor Cold Flow Model (T-1019750)	Bernstein, E.	11/8/60	CRD
CNLM-3085	Initial NJ18A Propulsion System Ground Test	Meyer, R.	11/4/60	CRD

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CNLM-3085 (Supp. 1)	First Three of Five Pages of CNLM-3085	n.a.	11/4/60	SRD
CNLM-3086	The Thermal Expansion and Electrical Resistivity of Columbium 5 Percent Zirconium PGNH-T17	Harrington, L.	11/8/60	U
CNLM-3087	Revisions to Statement of Work Contract AF 33(600)-40548 as in CNLM-1848, -2036, 2307, and -2307 Supplement 1	Schmickrath, B.	11/8/60	CRD
CNLM-3089	Tubing Quality Improvement Programs	McBride, V.	11/9/60	U
CNLM-3090	Engine Program for AF Fiscal 1962	Meyer, R.	11/7/60	U
CNLM-3091	Weld Aging Studies	Huegel, F.	11/7/60	CRD
CNLM-3092	Permanent Ultra Clean Facility (Low Relative Humidity, Constant Temperature)	LeMar, H.	1/4/61	U
CNLM-3093	Inpile Experiment EOS Numbers	Parks, A.	11/8/60	U
CNLM-3094	Columbium-Stainless Steel Diffusion Test	Doak, R.	11/10/60	U
CNLM-3095	Loading Source Needed for the Low Power Critical Experiment of the PWAR-11C and Startup Source Needed for Power Operation of the PWAR-11C	Bigelow, C.	11/8/60	CRD
CNLM-3096	Declassification of Cb-1.0 Zr Alloy for PWAR-11C Structural Application	Miller, J.	11/9/60	CRD
CNLM-3097	Bottom Shield Passage for the Instrument Calibration Source	Bigelow, C.	11/11/60	U
CNLM-3098	Cost Estimate for Columbium-Lithium Inpile Loop	Parks, A.	11/8/60	CRD
CNLM-3099	Columbium Thermocouples PWAR-11C Installation	Banach, H.	11/14/60	CRD
CNLM-3100	Systems Analysis Group Progress Report - October, 1960	Larson, J.	11/10/60	U

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CNLM-3101	Forces on Mw I ² R Heater for Heat Exchanger Hot Flow Test	Overman, A.	11/11/60	U
CNLM-3102	Request for Core Dose Rates and Hot Shop Shielding Calculations	Hawkins, R.	11/9/60	U
CNLM-3103	Answer to Request for Data Based on the PWAR-11 Reactor	Meyer, R.	11/10/60	CRD
CNLM-3104	PWAR-11C, 10 MW, Reflector Tube Orificing	Bigelow, C.	11/14/60	CRD
CNLM-3105	Answer to Request (ANH:PBS:ss 6-4163) for Data Based on the PWAR-11 Reactor	Meyer, R.	11/10/60	CRD
CNLM-3106	Meeting of the CANEL Welding and Brazing Committee on November 1, 1960	Lea, K.	11/10/60	U
CNLM-3107	Convair Data Request	Meyer, R.	11/10/60	CRD
CNLM-3108	Design Status of PWAR-11C Valve Development Program	Nelson, C.	11/14/60	U
CNLM-3109	Neutron Cross Section Data Request	Strough, R.	11/11/60	CRD
CNLM-3110	Presentation to Mr. H. Branch Wood and Mr. James Hoebel - November 7, 1960	Greenstreet, M.	11/18/60	CRD
CNLM-3111	Progress Report - October 1960	Strough, R.	11/18/60	CRD
CNLM-3112	Report of Visit to FRDC, November 4, 1960	Larson, J.	11/14/60	CDI
CNLM-3113	Fabrication Record - Cb-15Ti-5V-0.7Zr-(0.04-0.6C) Alloy, GB-84	Billin, R.	11/15/60	U
CNLM-3114	Fabrication Record - Cb-20Ta-15Ti-2.8 Al Alloy, GB-73	Billin, R.	11/15/60	U
CNLM-3115	Progress Report for October	Costomiris, G.	11/11/60	CDI
CNLM-3116	Declassification of Documents	Beardsley, G.	11/11/60	U
CNLM-3117	October, 1960 Progress Report Systems Engineering Group	Lueckel, W.	11/14/60	U
CNLM-3118	Fabrication Record - Cb-10 Ti-4Mo-0.7Zr-(0.06-0.08 C) Alloy, GB-75	Billin, R.	11/15/60	U

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CNLM-3119	Interim Report Number 5 Project 2410 Reactor Dis- assembly Machining	Goodin, L.	11/16/60	CRD
CNLM-3120	Component Radiation Monitoring System	McNeill, H.	11/18/60	U
CNLM-3121	Fabrication Record - Cb-10 Ti- 0.7Zr-4Mo-(0.02-0.03C) Alloy, GB-74	Billin, R.	11/15/60	U
CNLM-3123	Metallurgical Engineering Progress Report for October 1960	Treciokas, V.	11/15/60	CRD
CNLM-3124	Examination of Liquid Metal Dump Tank Resistance Weld	Doughty, C.	1/23/61	CRD
CNLM-3125	Strength Evaluation of DuPont Alloy D-11 (Cb-1Zr)	Stewart, J.	11/30/60	CRD
CNLM-3126	Request for Advanced Reactor Layout Studies	Check, P. Perry, P.	11/30/60	CRD
CNLM-3127	Information Regarding CNLM 3046, "Research and Develop- ment Work on Heat Exchangers and Turbopumps for the Inter- mediate Propulsion Reactor."	Holtsinger, C.	11/29/60	CRD
CNLM-3128	Summary of Strength Data on PWAR-11C Reactor Components	Stewart, J.	12/1/60	CRD
CNLM-3130	Test Program for Jacket Heat Transfer Test	Doak, R.	11/17/60	CRD
CNLM-3131	Airplane Performance for the the JTN-11 Radiator Optimization Study	Meier, R.	11/28/60	CDI
CNLM-3132	Request for Reactor-Shield Study	Gaffin, W.	11/18/60	CRD
CNLM-3134	Determination of Heating Time for Coated Cb-1 Percent Zr Cylindrical Billets	Langweil, W.	11/23/60	U
CNLM-3135	Summary of Cost-September 1960- Contracts AF 33-038-27341 AF 33- 600-40548 AF-33-600-41233 and AT11-1-229	n.a.	11/17/60	CDI

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CNLM-3136	Analysis of Amounts Invoiced Contract AF33-038-27341 September, 1960	n.a.	11/17/60	U
CNLM-3137	Analysis of Amounts Invoiced Contract AF33-600-40548 September, 1960	n.a.	11/17/60	U
CNLM-3138	Analysis of Amounts Invoiced Contract Number AF33-600-41233 September, 1960	n.a.	11/17/60	U
CNLM-3139	Analysis of Amounts Invoiced Contract AT 11-1-229 September, 1960	n.a.	11/17/60	U
CNLM-3140	Engineering and Development Status September, 1960 Con- tract Number AF 33-600-40548 Number AF 33-600-41233 and Number AT 11-1-229	n.a.	11/17/60	U
CNLM-3141	Request for Po-Be Sources	Crume, E.	11/18/60	CRD
CNLM-3142	Specifications of the PWAR 11C Lithium Isolation Valve	Nelson, C.	12/8/60	CRD
CNLM-3143	Development Plan for NJ-18A Power Package Ground Test Program 1961-1965	n.a.	12/14/60	CRD
CNLM-3143 (Rev.)	Development Plan for NJ-18A Power Package Ground Test Program 1961 - 1965	n.a.	1/24/61	CRD
CNLM-3144	Reactor Flow Distribution Test (X885)	Bernstein, E.	11/21/60	U
CNLM-3145	Determination of Cryogenic Trap Seal Dosage at Upper Gas Outlet Valve	Chin, F.	11/28/60	U
CNLM-3146	Estimated Cost by Program for Fiscal Year 1961 (In Thousands)	St. Arnauld, M.	11/23/60	CRD
CNLM-3147	Haynes-25 Secondary Loop Activation	Gaffin, W.	11/22/60	U
CNLM-3148	Visit to Wah Chang Corporation November 8-11, 1960	McBride, V.	11/25/60	U

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CNLM-3149	Visit to Superior Tube Company November 17, 1960	McBride, V.	11/29/60	U
CNLM-3150	Initial NJ-18A Propulsion System Ground Test	Larson, J.	11/23/60	CRD
CNLM-3151	Obtaining Pure Uranium Carbide by Carburization of Uranium by Gaseous Hydrocarbons	Cernak, E.	11/22/60	U
CNLM-3152	Propulsion System Engineering Monthly Progress Report October 1960	Meyer, R.	11/22/60	CRD
CNLM-3153	Materials Laboratory Progress Report October, 1960	Raring, L.	11/22/60	CRD
CNLM-3154	Uranium Carbide Development at CANEL	Darrah, J.	11/22/60	U
CNLM-3155	Summary of Materials Research Program on Potential Problem Areas in Indirect Cycle Materials	Holtsinger, C.	11/22/60	SRD
CNLM-3156	Pack Coating of Columbium Alloys	Bornstein, N.	11/23/60	CRD
CNLM-3157	Aging in Welds of a Columbium-Zirconium Alloy	Spinelli, F. Tierney, J.	11/23/60	CRD
CNLM-3158	Fabricable, High Strength Alloys Resulting from Ternary, Quaternary and Quinary Modifications of a Cb-5 Mo Binary Base	Delgrosso, E. Kaminsky, J. Carlson, C. Lieberman, W. Clough, W.	11/23/60	CRD
CNLM-3159	Test of Heat Exchanger HE-14S, Rig 4216-R-2, Building 290	Randall, D.	11/29/60	U
CNLM-3160	Fueled BeO for Nuclear Reactors	Dytko, E. Kuhns, R.	11/25/60	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3161	A Process for Fabrication of Stoichiometric Uranium Monocarbide	n.a.	11/23/60	CRD
CNLM-3162	Request for QD Drawings Control Drum and Outer Reflector Tube Sheet Pressure Test	O'Brien, R.	11/25/60	CRD
CNLM-3163	Proposed Nuclear Propulsion System Design Requirements	Strough, R.	11/25/60	CRD
CNLM-3164	Application for Patent for Bruce M. Johnson, Michael A. DeCrescenti and James G. Darrah (Project A-680)	n.a.	11/28/60	CRD
CNLM-3165	Application for Patent for Bruce M. Johnson, Michael A. DeCrescenti and James G. Darrah. 5 Pages	n.a.	11/28/60	SRD
CNLM-3166	Thermal and Radiation Stability of Jet Fuel	Kelly, K.	11/28/60	U
CNLM-3167	Raw Materials List	Overman, A.	11/28/60	U
CNLM-3168	Visit to FRDC, November 22 and 23, 1960	Greene, R.	11/29/60	CDI
CNLM-3169	Parametric Curves of Haynes-25 Secondary Loop Activity as a Function of Total Operating Time and Time After Shutdown	Strough, R.	11/28/60	CRD
CNLM-3170	Redesign of Pressure Vessel Seal Weld Joint, PWAR-11C	Banach, H.	11/30/60	U
CNLM-3171	Stainless Steel Piping, PWAR-11C Installation	Banach, H.	12/1/60	U
CNLM-3172	NJ18A Development Plant. Table of Contents, Summary and Part A of the Engineering Program of the Subject Report - PWAC-311 Rough Draft	n.a.	11/30/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3173	Problems Involved in Conducting Stress Rupture Tests in Lithium	Stewart, J.	12/2/60	CRD
CNLM-3174	Predicted Operating Conditions for PWAR-11C, 10 Mw	Bauer, H.	12/2/60	CRD
CNLM-3175	The Feasibility of an Enriched Borated Aromatic Base Fluid for a Posttest Liquid Metal Flush in the 11C	Ott, W.	12/1/60	U
CNLM-3176	Monthly Progress Report Under Contracts AT(11-1)-229, AF 33-600-41233 and AF 33-600-40548	Schmickrath, B.	12/1/60	CRD
CNLM-3177	Engine Exhaust Nozzle Settings Show on P&WA Drawing Number L-203727. Transmittal of CPS-110 and C.P.O.P. 300	Meyer, R.	12/1/60	CDI
CNLM-3178	Development Progress on ANP Program at CANEL November 30, 1960	Beardsley, G.	12/6/60	CRD
CNLM-3179	Temperature Distribution Resulting from the Use of Finned Cooling Tubes in the LiH Shielding	Dissler, J.	12/8/60	CRD
CNLM-3180	Mechanical Properties of Columbium Alloys Supplied by the Alloy Development Group	Lieberman, W.	12/20/60	CRD
CNLM-3181	Bend Testing of Lithium Hydride	Lieberman, W.	12/5/60	U
CNLM-3182	Harmonic Drive Flex Tube Development	Parks, G.	12/5/60	CRD
CNLM-3184	Control Drum Drive Components-Redesign	Parks, G.	12/5/60	CRD
CNLM-3185	Summary of Rupture Tests to be Conducted in Liquid Metal Environment	Stewart, J.	12/5/60	CRD

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CNLM-3186	Comments on Memo - J. R. Thompson to H. J. Tiedemann, Dated November 2, 1960 CNLZFLA-33	Larson, J.	12/5/60	CDI
CNLM-3187	JTN11 Engine Study for Turbine Exit Airbleed	Larson, J.	12/2/60	CDI
CNLM-3188	Systems Analysis Group Progress Report November, 1960	Larson, J.	12/2/60	CDI
CNLM-3189	Turbofan Print Format and Input Options	Mathews, L.	1/19/61	CDI
CNLM-3190	Addition of Surface Finish Callout and Changes to Details in the Upper Region of Layout LK-100782 Sheets 1 and 2	Heyl, P.	12/6/60	U
CNLM-3191	Single Bundle Heat Exchanger Layout for NJ-18A Powerplant	Means, H.	12/5/60	CRD
CNLM-3192	Addition of Surface Finish Callout and Note Modification Addition to Details of Layout LJ-100783 - Sheet 1	Patenaude, R.	12/8/60	U
CNLM-3193	Request for Design and Construction of Test Facility	Miller, A.	12/5/60	U
CNLM-3196	Trip Report Covering the Annual Meeting of the ASME	Dissler, J. Wray, R.	1/18/61	U
CNLM-3197	Modifications to Primary Fill and Drain Systems and Primary Coolant Addition Line	Bigelow, C.	12/9/60	CRD
CNLM-3198	Addition of Surface Finish Callout and Note Modification Addition to Details of Layout LJ-100942	Patenaude, R.	12/9/60	U
CNLM-3199	Program Cost Estimates	Meyer, R.	12/7/60	U
CNLM-3200	Instrumentation Design Changes for the Heat Exchanger Hot Flow Test	Overman, A.	12/8/60	U
CNLM-3201	Estimated Wet Weights of Dolly Components in Pounds	Hedden, D.	12/8/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3203	Schedule Review	Kelly, R.	12/9/60	U
CNLM-3204	Addition of Surface Finish Callout and Note Modification Addition to Details of Layout LK-100887	Patenaude, R.	12/13/60	U
CNLM-3205	Metallurgical Engineering Progress Report for November 1960	Treciokas, V.	12/9/60	CRD
CNLM-3206	Progress Report - November 1960	Strough, R.	12/14/60	CRD
CNLM-3207	Design Changes and Additions to PWAR-11C Side Shield	Zeisser, M.	12/14/60	CRD
CNLM-3208	Investigation of HE-12 Failure and Proposed Test of Stainless 11C Heat Exchanger Model	Petricone, R.	12/21/60	CRD
CNLM-3209	Target Date A4c, 3 Full and 2 Partial Cans	Brautigam, H.	12/9/60	CRD
CNLM-3210	Correlation of Rockwell B and Diamond Pyramid Hardness Data for Cb-1Zr	Peraro, J.	12/14/60	U
CNLM-3211	JTN11 Fuel Control Study	Larson, J.	12/13/60	CDI
CNLM-3212	Request for Design Drawings for a Limit Switch Test Unit	Tarasewich, A.	12/21/60	U
CNLM-3213	Investigation of Semi-Automatic Heavy Plate Weld	King, V.	12/9/60	CRD
CNLM-3214	Request for Design and Procure- ment of Traverse Rupture Test Rig	Miller, A.	12/9/60	U
CNLM-3215	Liquid Metal Turbopump Study	Larson, J.	12/14/60	U
CNLM-3216	Powerplant Characteristics Summary Report	Larson, J.	12/13/60	CDI
CNLM-3217	Ground Support for an Oper- ational Base	Greene, R.	12/27/60	CRD
CNLM-3218	Metallographic Examination of Various Cb-Zr Alloys Exposed to Carbon Contaminated Lithium	Pitsch, R.	12/13/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3219	Preparation of Uranium Mono-carbide and its Behavior as Compared with Other High Melting Carbides.	Cernak, E.	12/15/60	U
CNLM-3220	Transmittal of CNLM-3143, The Development Plan for the NJ-18A Power Package Test Program	Schmickrath, B.	12/14/60	CDI
CNLM-3221	JTN11 Engine Fuel Controls	Meyer, R.	12/14/60	U
CNLM-3222	Available Information on General Electric Powered NX-2 Airplane	Gaffin, W.	12/16/60	CRD
CNLM-3224	Design Request for a Test Unit for a Scram Motor	Tarasewich, A.	12/15/60	U
CNLM-3225	Design Request for a Shim Motor Test Unit	Tarasewich, A.	12/21/60	U
CNLM-3226	Selection of JTN-11 Exhaust Nozzle Throat Area	Slatkin, M.	12/20/60	CDI
CNLM-3228	Materials Laboratory Progress Report November, 1960	Raring, L.	12/15/60	CRD
CNLM-3229	Request for Permission to Destroy 15 Models and Mock-ups	Baldwin, E.	12/16/60	U
CNLM-3230	Flow Schematic, PWAR-11C On-Dolly Liquid Metal Systems	Bigelow, C.	12/19/60	CRD
CNLM-3231	Development Progress on ANP Program at P&WA	Beardsley, G.	12/20/60	CRD
CNLM-3232	Design Changes for the Heat Exchanger Hot Flow Test	Overman, A.	12/19/60	U
CNLM-3233	Material Commitments, December 13, 1960 to March 1, 1961 Low Power Reactor Experiment	Strough, R.	12/19/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3234	Redesign of Part T-1020623, "Bellows Leak Measurement Tank Tube-Assembly of."	Nelson, C.	12/19/60	U
CNLM-3235	Report of Visit to FRDC December 15, 1960	Larson, J.	12/21/60	CDI
CNLM-3235 (Rev. A)	Report of Visit to FRDC December 15, 1960	Larson, J.	12/29/60	CDI
CNLM-3236	Design Request for a Test Unit Containing a Printed Circuit Motor	Tarasewich, A.	12/21/60	U
CNLM-3237	Final Report - Project 1733 - Flat and Off-set Forming of Control Cooling Tuber, T-1018185 and T-1018232	Goodin, L.	1/4/61	U
CNLM-3238	Request for Reactor-Shield Study	Dyson, R.	12/22/60	CRD
CNLM-3239	Request for Reactor-Shield Study	Dyson, R.	12/22/60	CRD
CNLM-3240	Request for Reactor-Shield Study	Dyson, R.	12/21/60	CRD
CNLM-3241	Rough Draft Narrative for Status Report Movie December 20, 1960	n.a.	12/21/60	SRD
CNLM-3242	Notes on Status of Bearings Associated with Control Drum Drive Development	Parks, G.	12/20/60	CRD
CNLM-3243	Initial Thermal Cycling Test Program	Doak, R.	2/14/61	U
CNLM-3244	An Analysis of Inconsistencies in Removal Cross Sections of Carbon and Oxygen	Woodsum, H.	1/30/61	U
CNLM-3245	Mechanical Testing of Columbium Base Alloys	Lieberman, W.	12/28/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3247	Quarterly Progress Report October, December, 1960	Treciokas, V.	12/27/60	CRD
CNLM-3248	Propulsion System Engineering Monthly Progress Report November, 1960	Meyer, R.	12/21/60	SRD
CNLM-3249	Variation of NJ-18 Powerplant Characteristics with Engine Airflow	Daum, N.	12/29/60	CDI
CNLM-3250	CANEL Engine Study Reports	Larson, J.	12/28/60	CDI
CNLM-3251	Summary of Cost - October, 1960 - Contracts AF 33-038- 27341, AF 33-600-40548, and AF 33-600-41233 and AT 11-1- 229	n.a.	12/22/60	CDI
CNLM-3252	Analysis of Amounts Invoiced Contract AF 33-038-27341- October, 1960	n.a.	12/22/60	U
CNLM-3253	Analysis of Amounts Invoiced Contract AF 33-600-40548 - October, 1960	n.a.	12/22/60	U
CNLM-3254	Analysis of Amounts Invoiced Contract Number AF 33-600- 41233 October, 1960	n.a.	12/22/60	U
CNLM-3255	Analysis of Amounts Invoiced Contract AT 11-1-229 - October, 1960	n.a.	12/22/60	U
CNLM-3256	Commitment Status - October 1960. Engineering and Develop- ment. Contract AT 11-1-229, AF 33-600-40548 and AF 33- 600-41233	n.a.	12/22/60	U
CNLM-3257	Liquid-Metal Expansion Volumes in the NJ-18A Powerplant	Turner, G.	12/29/60	CRD
CNLM-3258	Analysis of Preliminary Estimates as Against Cost Budget Estimates	St. Arnauld, M.	12/29/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3259	Request for Layout Studies of the PWAR-11 Reactor Shielding of the NJ-18A Powerplant	Dissler, J. Perry, P.	12/29/60	CRD
CNLM-3260	Planning of the Reactor Test Facility - Testing Dolly Mounted Powerplants Consisting of Two Turbojet Engines	Hedden, D.	12/28/60	U
CNLM-3261	Instrumentation Drawing Request for the PW-104 Radiator (TLJ-100809 Sheets 1-3)	Allen, J.	12/28/60	U
CNLM-3262	TP-2 Turbopump Matching Study	Slatkin, M.	3/7/61	CDI
CNLM-3263	Radiation Levels at the Turbo-pumps in the NJ-18A Powerplant	Johnson, H.	12/29/60	CRD
CNLM-3264	Thermal Conductivity of Type 310 Stainless Steel Clad Copper	Harrington, L.	1/5/61	U
CNLM-3265	Atomic Energy Commission Fiscal Year 1961 Mid-Year Review	St. Arnauld	1/3/61	U
CNLM-3266	Monthly Progress Report Under Contracts AT (11-1)-229, AF 33 (600)-41233 and AF 33(600)-40548	Schmickrath, B.	1/3/61	CRD
CNLM-3267	Sole Sources for Columbium Pipe Alloy	Gemma, A.	1/3/61	U
CNLM-3268	Gas Conditions at the Engine Exhaust Nozzle Throat for Two Different Operating Conditions	Meyer, R.	1/3/61	CDI
CNLM-3269	Control Drive Bearing Source Inspection Cost Estimate	Heyl, P.	1/5/61	U
CNLM-3270	Systems Analysis Group Progress Report, December, 1960	Larson, J.	1/4/61	CDI
CNLM-3271	Request for Radiator Airside Test Data: HE-14S Test; Rig 4216-R-2, Building 290	Bigelow, C.	1/9/61	U
CNLM-3272	Forecast of Nuclear Materials Requirements Fiscal Year 1961	n.a.	3/4/61	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3273	Forecast of Nuclear Materials Requirements Fiscal Year 1961 Fourth Revision - Enriched Uranium - Kilograms of U ²³⁵	n.a.	1/4/61	U
CNLM-3274	Forecast of Nuclear Materials Requirements Fiscal Year 1961 4th Revision. Normal Uranium - Kilograms of Normal Uranium	n.a.	1/4/61	U
CNLM-3275	Forecast of Nuclear Materials Requirements Fiscal Year 1961 Fourth Revision. Plutonium - Kilograms of Plutonium	n.a.	1/4/61	U
CNLM-3276	Forecast of Nuclear Materials Requirements Fiscal Year 1961	n.a.	1/4/61	U
CNLM-3277	Forecast of Nuclear Materials Requirements Fiscal Year 1961 Fourth Revision. Enriched Uranium - Kilograms of U ²³⁵	n.a.	1/4/61	U
CNLM-3278	NJ-19 Powerplant Performance Comparison	Larson, J.	1/4/61	U
CNLM-3279	Cleaning, Storage, and Annealing Requirements for Construction of Pressure Vessel Test Unit	Triner, N.	1/11/61	U
CNLM-3280	Design Changes for the Heat Exchanger Hot Flow Test	Overman, A..	1/4/61	U
CNLM-3281	Work Statement for R.P.O. 917084	Foley, M.	1/4/61	CRD
CNLM-3282	Corrosion of Unannealed Cb Alloys	Parks, G.	1/4/61	CRD
CNLM-3283	1/40th Scale Model Structure	Gaffin, W.	1/4/61	U
CNLM-3284	Request for Changes to Detail Drawings for Parts Shown on LJ-100782 and LJ-100844	Patenaude, R.	1/6/61	U
CNLM-3285	CANEL Welding and Brazing Committee Meeting on January 3, 1961	Lea, K.	1/9/61	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3286	Report on Trip to the December 12-15, 1960 Meeting of the American Nuclear Society	Alwang, W. Check, P. Gilbert, R.	1/12/61	CRD
CNLM-3287	Fabrication of High Temperature Static Capsule Corrosion Rig	Hardy, G.	1/5/61	U
CNLM-3288	PWAR-11 Hazards Analysis	Brown, A.	1/6/61	CRD
CNLM-3289	Tensile Evaluation of Cb-1Zr Weld Specimens	Stewart, J.	1/9/61	U
CNLM-3290	Progress Report: The Association of Oxygen and Nitrogen with Zirconium in the Columbium 1 Percent Zirconium Alloy	Leavenworth, H.	1/12/61	CRD
CNLM-3291	Inspection Control for Fabrication and Assembly of the Stainless Steel Liquid Metal Valves	Nelson, C.	1/10/61	U
CNLM-3293	Primary Burner Fuel Flow Schedule	Larson, J.	1/13/61	CDI
CNLM-3294	Possible Uses of Segmented Heat Exchangers	Rencenberger, R.	1/17/61	CRD
CNLM-3296	Information on Shield Data Based on the PWAR-11 Reactor	Meyer, R.	1/9/61	CRD
CNLM-3297	Design of a Freeze Valve for the Heat Exchanger Hot Flow Test	Blimmel, W. Overman, A.	1/10/61	U
CNLM-3298	Status of the Remote Disassembly Tooling Development Program	Hawkins, R.	1/13/61	U
CNLM-3299	Shield Fabrication at Union Carbide Nuclear Corporation	Schmickrath, B.	1/10/61	CRD
CNLM-3300	Additional Equipment Requirements for the Heat Exchanger Hot Flow Test	Overman, A.	1/10/61	U
CNLM-3301	Evaluation of Annealing Facilities at Alcoa's Cleveland Forge Plant	Doughty, C.	1/30/61	U
CNLM-3302	Pipe Deformations in the Flow-meter	Karcher, G.	1/13/61	U

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CNLM-3303	Metallurgical Engineering Progress Report for December, 1960	Treciokas, V.	1/12/61	CRD
CNLM-3304	Patent Application Drawing for Project A-456, Inventor, M. H. Cooper	n.a.	1/11/61	CRD
CNLM-3305	JTN11 Engine with 10-Stage Compressor	Larson, J.	1/12/61	CDI
CNLM-3306	Specification for Patent for Martin H. Cooper - Invention Relating to Fuel Elements for Nuclear Reactors	n.a.	1/11/61	SRD
CNLM-3307	Specification for Patent for Martin H. Cooper - Invention Relating to Fuel Elements for Nuclear Reactors - 6 Pages with Oath, Power of Attorney and Petition - 5 Pages	n.a.	1/11/61	CRD
CNLM-3308	Design Request for a Synchro Transmitter Test Unit	Tarasewich, A.	1/23/61	U
CNLM-3309	Shield Material Irradiation Program, PWAR-11C	Zeisser, M.	1/18/61	CRD
CNLM-3310	Procurement of Liquid Metal for the Heat Exchanger Hot Flow Test	Overman, A.	1/17/61	U
CNLM-3311	Semi-Monthly Progress Report for Period Ending December 31, 1960	Lombard, R.	1/12/61	U
CNLM-3312	PWAR-11C Primary System Foil Wrapping Requirements	Bigelow, C.	1/18/61	CRD
CNLM-3313	Declassification of Certain Reactor Information	Miller, J.	1/13/61	U
CNLM-3314	Propulsion System Engineering Monthly Progress Report, December, 1960	Meyer, R.	1/13/61	CRD
CNLM-3315	The Thermal Expansion and Electrical Resistivity of Haynes Alloy Number 25	Harrington, L.	1/17/61	U

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CNLM-3316	Facility Portion of Development Plan for NJ-18A Power Package Flight Test Program (1963-1967)	n.a.	1/16/61	CRD
CNLM-3317	Development Plan for NJ-18A Power Package Flight Test Program - 1963-1967	n.a.	1/24/61	CRD
CNLM-3318	The Thermal Expansion and Electrical Resistivity of Columbium 5 Percent Molybdenum (GA-34)	Harrington, L.	1/17/61	U
CNLM-3319	Report of Trip to Norden	Rovero, A. Patenaude, R.	1/19/61	U
CNLM-3321	Cost Budget Report - Accounting Department	Reilly, J.	1/14/60	CRD
CNLM-3322	Shielding Information for Blaw-Knox Company	Woodsum, H.	1/23/61	CRD
CNLM-3323	Progress Report - December 1960	Strough, R.	1/17/61	CRD
CNLM-3325	Failed Cb/1 Percent Zr	n.a.	1/19/61	U
CNLM-3326	NJ-18A Component Weight Trade Factors Requested by J. J. Horan	Whittaker, R.	2/3/61	CDI
CNLM-3327	Supplemental Request for Electrical Power Supplies and Associated Instrumentation for the Control Drum Drive Components Irradiation Program	Mattrella, U.	1/23/61	U
CNLM-3327 (Supp. 1)	Supplemental Request for Modification of Current Instrumentation Requirements for the Control Drum Drive Components Irradiation Program	Mattrella, U.	2/17/61	U
CNLM-3328	Additional Information for the Heat Exchanger Hot Flow Test	Overman, A. Ford, J.	1/19/61	U

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CNLM-3329	Materials Data Requirements for the PWAR-11C Experiment Design	Bigelow, C.	1/18/61	U
CNLM-3330	Meetings with FRDC on January 9-10, 1961	Meyer, R.	1/17/61	CDI
CNLM-3331	List of the JTN-11 Engines Required for the NJ-18 Power Package Program	Meyer, R.	1/17/61	CRD
CNLM-3332	Contract Commitments - PWAR-11C Control Drum Drive Development	Parks, G.	1/18/61	CRD
CNLM-3333	Notes Regarding Estimated Radiator Performance Based on Test Results to Date	Wesbecher, J.	1/17/61	CDI
CNLM-3334	Request for an Analog Study of the Temperature Distribution in the Pressure Shell-Gas Jacket System for the PWAR-11 Reactors in the NJ-18A Power-plant	Westheimer, G.	2/14/61	CRD
CNLM-3335	Materials Laboratory Progress Report - December, 1960	Raring, L.	1/18/61	CRD
CNLM-3336	Fuel Burnup Analysis Report	Kahn, M.	1/23/61	CRD
CNLM-3337	Idaho Ractor Assembly	Dickinson, N.	1/18/61	CRD
CNLM-3338	Request for Shielding Information	Darrah, J.	1/18/61	CRD
CNLM-3339	Request for Installation of Full Flow Filter at X885	Bernstein, E.	1/30/61	U
CNLM-3340	Changes in Secondary System for the Heat Exchanger Hot Flow Test	Overman, A.	1/19/61	U
CNLM-3341	Semi-Monthly Progress Report for Period Ending January 15, 1961	Lombard, R.	1/23/61	U
CNLM-3342	Interim Report - Project 1503. Spinning of Columbium and Columbium 1 Percent - Zirconium Tubing	Barker, W.	2/9/61	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-3343	NJ-19 Powerplant Performance Comparison	Klummerer, K.	2/7/61	CDI
CNLM-3344	Information in Answer to Request for Data Based on a PWAR-11C Type Reactor	Meyer, R.	1/24/61	CRD
CNLM-3345	Preliminary Report on Comparison Study of Convair and P&WA Shielding Design Methods	Woodsum, H.	2/14/61	CRD
CNLM-3346	Exhaust Nozzle Area Study for the JTN11 with the 10 Stage Compressor	Meier, R.	1/27/61	CDI
CNLM-3347	JTN-11 Propulsion Unit Test Facility	Meyer, R.	1/26/61	U
CNLM-3348	Tabulation of NJ-18A Powerplant Data for Comparison to Other Powerplants	Slatkin, M.	1/27/61	CDI
CNLM-3348 (Rev. 1)	Tabulation of NJ-18A Powerplant Data for Comparison to Other Powerplants	Slatkin, M.	2/16/61	CRD
CNLM-3349	Outline of Creep-Rupture Tests on Type 316 Stainless Steel for Data to 5000 Hours	Stewart, J.	1/30/61	U
CNLM-3350	P&WA ANP Program	Greenstreet, M.	2/9/61	CRD
CNLM-3351	NJ-18D Performance	Daum, N.	1/27/61	CDI
CNLM-3353	NJ-18A Powerplant Radiator Section Performance Data	Strough, R.	1/27/61	CDI
CNLM-3355	Monthly Progress Report Under Contracts AT(11-1)-229, AF 33 (600)-41233, and AF 33 (600)-40548	Schmickrath, B.	1/30/61	CRD
CNLM-3356	Cost Information for the Period of July 1, 1960 Through December 31, 1960	Smith, S.	2/1/61	CRD
CNLM-3357	Strength Evaluation of Wyman-Gordon Upper Head-Cb-1Zr, Heat PHBZ	Stewart, J.	2/1/61	CRD
CNLM-3358	Analysis of Amounts Invoiced Contract Number AF 33-600-41233 - November 1960	n.a.	1/31/61	U

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CNLM-3359	Analysis of Amounts Invoiced - Contract AF 33-600-40548 - November, 1960	n.a.	1/31/61	U
CNLM-3360	Analysis of Amounts Invoiced - Contract AF 33-038-27341 - November, 1960	n.a.	1/31/61	U
CNLM-3361	Analysis of Amounts Invoiced - Contract AT 11-1-229 - November, 1960	n.a.	1/31/61	U
CNLM-3362	Engineering and Development Contract Number AF-33-600- 40548; AF 33-600-41233 and Contract AT 11-1-229 Commitment Status - November, 1960	n.a.	1/31/61	U
CNLM-3363	Summary of Cost - November, 1960 Contracts AF 33-038- 27341; AF 33-600-40548; AF 33-600-41233 and AT 11-1-229	n.a.	1/31/61	CDI
CNLM-3364	Design of the Expansion Tank, Specimen Container, and Specimen Removal System for the LCCDA "Slave" Type Corrosion Loop	Bersin, G.	2/21/61	U
CNLM-3365	Accessories Parts for Hydro- static Test of T-1025463 Pressure Shell	Bernstein, E.	2/23/61	U
CNLM-3366	Information for Hazards Studies of the Indirect Cycle Aircraft Nuclear Propulsion System	Perry, P.	2/3/61	CRD
CNLM-3367	Pipe Deformations in the Secondary System Flowmeter	Karcher, G.	2/3/61	U
CNLM-3369	PW-104S-1 and PW-104S-2 Oper- ating Time	Allen, J.	2/7/61	U
CNLM-3370	NJ-18D Powerplant Nozzle Select- ion	Larson, J.	2/1/61	CDI
CNLM-3371	Radiator Face Area Selection for JTN11 Engine	Larson, J.	2/2/61	CDI

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CNLM-3372	Weld Control History for PW-104 Five-Section Radiator	Houghton, R.	2/3/61	CRD
CNLM-3373	Request for an Analog Study to Determine the Location of Coolant Tubes in the BeO Core Filler Pieces of the 200Mw UC Fueled Reactor	Yee, D.	2/10/61	CRD
CNLM-3374	Request for Design of Dummy Valve Mock-up	Bernstein, E.	2/9/61	U
CNLM-3375	Report of Trip to Norden	Rovero, A. Bennett, D.	2/9/61	U
CNLM-3376	10 Stage JTN11 Exhaust Nozzle Area Study for the NJ-18D Powerplant	Meier, R.	2/24/61	CDI
CNLM-3377	Pressure Shell - Thermocouple Penetration	Bigelow, C.	2/7/61	U
CNLM-3378	Analog Temperature Study of a Dissimilar Metals Joint	Flynn, J.	2/7/61	U
CNLM-3379	Trip to FRDC to Get Comments on PWAC-322	Shepardson, J.	2/3/61	CDI
CNLM-3380	Request for NJ-19 at 1800F Data	Horan, J.	2/6/61	U
CNLM-3381	Request for NJ-18D at 1800F Data	Horan, J.	2/6/61	U
CNLM-3382	Comparison of NX-2 Flight Envelopes Utilizing NJ-18A and NJ-18C Powerplants	Danks, G.	2/10/61	CDI
CNLM-3383	Location and Coding of Instrumentation for the 6.55 Mw Heat Exchanger Rig	Overman, A.	2/14/61	U
CNLM-3384	Clarification of Differences in Cost Estimates and Cost Budget Reports	Strough, R.	2/3/61	CRD
CNLM-3385	Airplane Performance of NJ-18D Powerplant	Larson, J.	2/7/61	CDI
CNLM-3386	Modified NJ-18D Powerplants	Larson, J.	2/7/61	CRD

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CNLM-3387	Figure 4 and Figure 6 - Cost Estimate - Flight Test Program and Cost Estimate - Total Program. Alternates to Those in CNLM-3317	Holtsinger, C.	2/6/61	U
CNLM-3388	AEC Contract AT (11-1)-229 and Air Force Contract AF 33(600)-40548 - Joint Program Proposal	n.a.	2/16/61	CRD
CNLM-3388 (Supp. 1)	AEC Contract AT (11-1)-229, Air Force Contract AF 33(600)-40548 Joint Program Proposal. Revision of Pages 36, 63, 65 and 118	n.a.	3/15/61	CRD
CNLM-3390	Visit to Convair, Fort Worth February 1 and 2, 1961	Greene, R. Gaffin, W.	2/9/61	U
CNLM-3391	Systems Analysis Group Progress Report for January, 1961	Larson, J.	2/7/61	CDI
CNLM-3392	Preliminary Outline of PWAR-11C Nuclear Power Plant Installation	Peterson, C.	2/7/61	CRD
CNLM-3393	Pressure Vessel Closure Seal Welder, Annealer and Cutting Tool Requirements	Smith, E.	2/14/61	U
CNLM-3394	Progress Report for January, 1961	Lueckel, W.	2/8/61	U
CNLM-3395	Summary of Recent Application Studies for Lithium and NaK Cooled Reactors	Turner, G. Rencenberger, R.	2/20/61	CRD
CNLM-3396	Propulsion System Engineering Monthly Progress Report, January, 1961	Meyer, R.	2/9/61	CRD
CNLM-3397	Handling, Inspection and Test Procedures for Control Drive Bearings	Heyl, P.	2/27/61	U
CNLM-3398	Budget Control	Smith, S.	2/14/61	U
CNLM-3398 (Rev. 1)	Budget Control	Smith, S.	2/27/61	U
CNLM-3398 (Rev. 2)	Report on Costs, AEC Contract July 1, 1960 to February 28, 1961	Smith, S.	3/21/61	U

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CNLM-3398 (Rev. 3)	Cost Data	Smith, S.	4/28/61	U
CNLM-3399	Metallurgical Engineering Progress Report for January, 1961	Treciokas, V.	2/13/61	CRD
CNLM-3400	NJ-18C Component Design Infor- mation	Daum, N.	2/21/61	CRD
CNLM-3401	NJ-18D Supersonic Powerplant Study	Larson, J.	2/14/61	U
CNLM-3402	NJ-18C Powerplant Optimization Study	Larson, J.	2/14/61	U
CNLM-3403	NaK Vapor Pressure	Wesbecher, J.	2/14/61	CDI
CNLM-3404	History 10 Inch Pressure Vessel Assembly	Martorella, A.	2/15/61	CRD
CNLM-3405	Bend Radii of Calrod Type Resistance Heaters for the PWAR-11C	Schaefer, R.	2/15/61	U
CNLM-3406	Report on Meeting of the CANEL Welding and Brazing Committee on February 7, 1961. Dated 2/10/61	Lea, K.	2/14/61	CDI <i>u</i>
CNLM-3407	Comparison of NX-2 Flight Envelopes Utilizing NJ-18A, NJ-18C and NJ-18D Power- plants	Danks, G.	2/23/61	CDI
CNLM-3408	Progress Report - January, 1961	Strough, R.	2/16/61	CRD
CNLM-3409	Request for Doses to PWAR 11C	Granter, W.	2/21/61	CRD
CNLM-3409 (Supp. 1)	Doses to the PWAR-11C Components	Granter, W.	3/24/61	CRD
CNLM-3410	Semi-Monthly Progress Report for Period Ending January 31, 1961	Lombard, R.	2/16/61	U
CNLM-3411	NJ-18C Performance on Nuclear Heat Operation	Kummerer, K.	2/20/61	CDI
CNLM-3412	Special Handling of Control Drive Bearings	Heyl, P.	2/17/61	U
CNLM-3413	PWAR-11C Support Hanger Temper- atures - 10 Mw	Zeisser, M.	2/20/61	CRD

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CNLM-3414	Pressure Vessel Closure Seal Weld Redesign	Bigelow, C.	2/22/61	U
CNLM-3415	Presentation to a Committee from the National Academy of Sciences February 14, 1961	n.a.	3/3/61	CRD
CNLM-3416	NJ-18D Nuclear Reheat Study	Kummerer, K.	2/23/61	CDI
CNLM-3417	Estimated Cruise Weights and Power Available from Nuclear Powered Gas Turbine Systems	Daum, N.	2/24/61	CDI
CNLM-3417 (Rev. A)	Estimated Cruise Weights and Power Available from Nuclear Powered Gas Turbine Systems	Daum, N.	4/4/61	CDI
CNLM-3418	Thermocouple Cladding Compatibility	Schaefer, R.	2/22/61	U
CNLM-3419	JTN11 Performance Comparison 9-Stage versus 10-Stage Compressor	Whittaker, R.	2/23/61	CDI
CNLM-3419 (Rev. A)	JTN11 Performance Comparison 9-Stage versus 10-Stage Compressor	Whittaker, R.	3/3/61	CDI
CNLM-3420	NJ-18CX Powerplant Study	Meier, R.	2/17/61	CDI
CNLM-3421	Semi-Monthly Progress Report to February 15, 1961	Costomiris, G.	2/21/61	U
CNLM-3422	Table of Information Based on the NJ-18A JTN-11 Engines	Meyer, R.	2/20/61	CDI
CNLM-3423	Afterheat Removal System	Turner, G.	2/23/61	CRD
CNLM-3424	Stainless Steel Sump (T-1021579)	Bernstein, E.	2/23/61	U
CNLM-3425	Hydrostatic Test of T-1025463 Pressure Shell at X885	Bernstein, E.	2/22/61	U
CNLM-3426	Reactor Design - Fast Spectrum	McNeill, H.	2/20/61	CRD
CNLM-3427	Heat Sink Blower	Fine, A.	2/28/61	U
CNLM-3428	Analysis of Amounts Invoiced - Contract AT 11-1-229 - December 1960	n.a.	3/2/61	U

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CNLM-3429	Analysis of Amounts Invoiced Contract Number AF 33-600- 41233 - December, 1960	n.a.	3/2/61	CDI
CNLM-3430	Engineering and Development Contract Number AF 33-600- 40548 - December, 1960, Commitment Status	n.a.	3/2/61	CDI
CNLM-3431	Summary of Cost - December 1960 - Contracts AF 33-038- 27341; AF 33-600-40548; AF 33-600-41233 and AT 11-1- 229. December, 1960	n.a.	3/2/61	CDI
CNLM-3432	Analysis of Amounts Invoiced Contract AF 33-600-40548 December, 1960	n.a.	3/2/61	CDI
CNLM-3433	Analysis of Amounts Invoiced Contract AF 33-038-27341 December, 1960	n.a.	3/2/61	CDI
CNLM-3435	NJ-18C Shaft Horsepower Generation	Daum, N.	2/24/61	CDI
CNLM-3436	Fuel Burnup Analysis Report	Kahn, M.	2/22/61	CRD
CNLM-3437	Materials Laboratory Progress Report - January, 1961	Raring, L.	2/22/61	CRD
CNLM-3438	Hot Hardness Tester	Shapiro, S.	2/24/61	U
CNLM-3439	Telemetry Requirements	Bliss, P.	2/23/61	CDI
CNLM-3440	Shield Fabrication at Union Carbide Nuclear Corporation	Holtsinger, C.	2/22/61	CRD
CNLM-3441	Vendor Inspection Control for Fabrication and Assembly of the Turbine Integrator Number 2	Naples, P.	3/2/61	U
CNLM-3442	Transmittal of TIM-613, Supple- ment 5	Parks, A.	2/23/61	CRD
CNLM-3443	Preliminary Study of Assembly Building 10	Peterson, C.	2/23/61	SRD
CNLM-3444	Vendor Inspection Control for Fabrication and Assembly of the Rotating Disk Integrator	Naples, P.	3/3/61	U

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CNLM-3445	NJ-18C Engine Design Information	Whittaker, R.	3/13/61	CDI
CNLM-3446	Request to Determine Room Temperature Strength of Solid Phase Bonded Joints	Randall, D.	3/3/61	CRD
CNLM-3447	Request for Study of Radiators for Shield of the NJ-18A Power-plant	Alessandro, L.	3/21/61	CRD
CNLM-3448	Meeting on February 15, Concerning Methods of Cleaning Liquid Metal Systems	Ackerman, F.	3/1/61	CRD
CNLM-3449	Petrographic Analysis of Li_2CO_3 -BeO Reaction Product	Fornwalt, D.	2/27/61	CRD
CNLM-3450	Progress Report of Hot Laboratory Operations for the Week of February 20-24, 1961	Scotti, V.	3/3/61	CRD
CNLM-3450 (Supp. 1)	Progress Report of Hot Laboratory Operations for Weeks Ending March 3, 1961 and March 10, 1961	Scotti, V.	3/20/61	CRD
CNLM-3450 (Supp. 2)	Progress Report of Hot Laboratory Operations for the Week Ending March 17, 1961	Scotti, V.	3/24/61	CRD
CNLM-3450 (Supp. 3)	Progress Report of Hot Laboratory Operations for the Week Ending March 24, 1961	Scotti, V.	3/28/61	CRD
CNLM-3450 (Supp. 4)	Progress Report of Hot Laboratory Operations for the Weeks Ending March 31, 1961 and April 7, 1961	Scotti, V.	4/13/61	CRD
CNLM-3450 (Supp. 5)	Progress Report of Hot Laboratory Operations for the Week Ending April 4, 1961	Scotti, V.	4/19/61	CRD
CNLM-3450 (Supp. 6)	Progress Report of Hot Laboratory Operations for the Week Ending April 21, 1961	Scotti, V.	5/3/61	CRD
CNLM-3450 (Supp. 7)	Progress Report of Hot Laboratory Operations for the Week Ending April 28, 1961	Scotti, V.	5/9/61	CRD

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CNLM-3450 (Supp. 8)	Progress Report of Hot Laboratory Operations for Week Ending May 5, 1961	Scotti, V.	5/11/61	CRD
CNLM-3450 (Supp. 9)	Progress Report of Hot Laboratory Operations for Week Ending May 12, 1961	Scotti, V.	5/22/61	CRD
CNLM-3450 (Supp. 10)	Progress Report of Hot Laboratory Operations for Week Ending May 19, 1961	Scotti, V.	5/25/61	CRD
CNLM-3450 (Supp. 11)	Progress Report of Hot Laboratory Operations for the Week Ending May 26, 1961	Scotti, V.	6/7/61	CRD
CNLM-3450 (Supp. 12)	Progress Report of Hot Laboratory Operations for Week Ending June 2, 1961	Scotti, V.	6/28/61	CRD
CNLM-3450 (Supp. 13)	Progress Report of Hot Laboratory Operations for the Week Ending June 9, 1961	Scotti, V.	7/18/61	CRD
CNLM-3450 (Supp. 14)	Progress Report of Hot Laboratory Operations for the Week Ending June 16, 1961	Scotti, V.	8/1/61	CRD
CNLM-3450 (Supp. 15)	Progress Report of Hot Laboratory Operations for the Week Ending June 23, 1961	Scotti, V.	7/19/61	CRD
CNLM-3450 (Supp. 16)	Progress Report of Hot Laboratory Operations for the Week Ending June 30, 1961	Scotti, V.	7/19/61	CRD
CNLM-3450 (Supp. 17)	Progress Report of Hot Laboratory Operations for the Week Ending July 7, 1961	Scotti, V.	8/1/61	CRD
CNLM-3450 (Supp. 18)	Progress Report of Hot Laboratory Operations for the Week Ending July 14, 1961	Scotti, V.	8/1/61	CRD
CNLM-3450 (Supp. 19)	Progress Report of Hot Laboratory Operations from July 17, 1961 - September 1, 1961	Scotti, V.	9/20/61	CRD
CNLM-3450 (Supp. 20)	Progress Report of Hot Laboratory Operations for the Week Ending September 8, 1961	Scotti, V.	9/27/61	CRD

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CNLM-3450 (Supp. 21)	Progress Report of Hot Laboratory Operations for the Period September 11-22, 1961	Scotti, V.	9/28/61	CRD
CNLM-3450 (Supp. 22)	Progress Report of Hot Laboratory Operations for the Week Ending September 29, 1961	Scotti, V.	10/11/61	CRD
CNLM-3450 (Supp. 23)	Progress Report of Hot Laboratory Operations for the Period of October 1-13, 1961	Scotti, V.	10/19/61	CRD
CNLM-3450 (Supp. 24)	Progress Report of Hot Laboratory Operations for the Period of October 16 - November 13, 1961	Scotti, V.	11/28/61	CRD
CNLM-3450 (Supp. 25)	Progress Report of Hot Laboratory Operations November 13, 1961 - December 13, 1961	Scotti, V.	12/20/61	CRD
CNLM-3450 (Supp. 26)	Post-Irradiation Examination of Fuel Capsules	Scotti, V.	2/16/62	CRD
CNLM-3450 (Supp. 28)	Post-Irradiation Examination of Fuel Capsules. May 2, 1962	Scotti, V.	5/4/62	CRD
CNLM-3450 (Supp. 29)	Post-Irradiation Examination of Inpile Capsules Covering the Period May 1 - 11, 1962	Scotti, V.	5/23/62	CRD
CNLM-3450 (Supp. 30)	Post-Irradiation Examination of Inpile Capsules Covering the Period May 14 - June 30, 1962	Scotti, V.	7/10/62	CRD
CNLM-3450 (Supp. 31)	Post-Irradiation Examination of Inpile Capsules Covering the Period July 1 - July 31, 1962	Scotti, V.	8/6/62	CRD
CNLM-3450 (Supp. 32)	Post-Irradiation Examination of Inpile Capsules Covering the Period August 1 - August 31, 1962	Scotti, V.	9/17/62	CRD
CNLM-3450 (Supp. 33)	Post-Irradiation Examination of Inpile Capsules Covering the Period September 1 - September 30, 1962	Scotti, V.	10/17/62	CRD
CNLM-3450 (Supp. 34)	Post-Irradiation Examination of Inpile Capsules Covering the Period October 1 - 31, 1962	Scotti, V.	11/23/62	CRD

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CNLM-3451	JTN11 Performance Comparison 9-Stage versus 10-Stage Compressor	Whittaker, R.	3/8/61	CDI
CNLM-3452	Powerplant Performance of a Modified NJ-18D with Nuclear Ramjet Engines	Slatkin, M.	3/6/61	CRD
CNLM-3453	Transmittal of CNLM-3417 and CNLM-3435	Meyer, R.	2/28/61	CDI
CNLM-3454	Fuel Manifold Carbon Formation Studies	Shepardson, J.	3/6/61	CDI
CNLM-3455	Reactor Cold Flow Test (X885)	Bernstein, E.	3/7/61	U
CNLM-3456	Shield Fabrication at Union Carbide Nuclear Corporation	Holtsinger, C.	3/1/61	CRD
CNLM-3457	NJ-18C Nuclear Turbofan Study	Kummerer, K.	3/7/61	CRD
CNLM-3458	Submission of Specimens for Electron Probe Analysis	Teller, S.	3/1/61	CRD
CNLM-3459	Request to Determine Cause of Excessive Gear Tooth Wear	Kunkel, C.	3/17/61	U
CNLM-3460	Design Change on Heat Exchanger Hot Flow Test	Overman, A.	3/2/61	U
CNLM-3461	Water Flow Rates for Lug Cooling on Heat Exchanger Hot Flow Test	Overman, A.	3/2/61	U
CNLM-3462	Summary of Cost - January, 1961 Contracts AF 33-038- 27341, AF 33-600-40548, AF 33-600-41233 and AT 11-1- 229	n.a.	3/2/61	CDI
CNLM-3463	Analysis of Amounts Invoiced Contract Number AF 33-600- 41233 January, 1961	n.a.	3/2/61	U
CNLM-3464	Analysis of Amounts Invoiced Contract AF 33-600-40548 January, 1961	n.a.	3/2/61	U
CNLM-3465	Engineering and Development Contract Number AF 33-600- 40548 Commitment Status January, 1961	n.a.	3/2/61	U

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CNLM-3466	Analysis of Amounts Invoiced Contract AT 11- 1-229 January , 1961	n.a.	3/2/61	U
CNLM-3467	Analysis of Amounts Invoiced Contract AF 33-038-27341 January, 1961	n.a.	3/2/61	U
CNLM-3468	PWAR-11C Control Drum Drive Air Flow Control Design	Zeisser, M.	3/3/61	CRD
CNLM-3469	Component Temperature Limi- tations	Turner, G.	3/7/61	U
CNLM-3470	Component Temperature Limi- tations	Turner, G.	3/7/61	U
CNLM-3471	Component Temperature Limi- tations	Turner, G.	3/7/61	U
CNLM-3472	Component Temperature Limi- tations	Turner, G.	3/7/61	U
CNLM-3473	Semi-monthly Progress Report for Period Ending February 15, 1961	Lombard, R.	3/2/61	U
CNLM-3474	Corrections of Omissions in TLK-100711 Layout for Heat Exchanger Hot Flow Test	Overman, A.	3/6/61	U
CNLM-3475	Propulsion Systems Group Meeting Friday, March 3, 1961	Meyer, R.	3/3/61	U
CNLM-3476	Vendor Inspection Control for Fabrication and Assembly of the Reed Valve	Fannin, H.	3/21/61	U
CNLM-3477	Systems Performance Analysis Group Progress Report February, 1961	Larson, J.	3/6/61	CDI
CNLM-3478	Estimated JTN11 Engine Rotor Speed - NJ-18C Powerplant	Meier, R.	3/7/61	CDI
CNLM-3479	NJ-19-Present Status	Horan, J.	3/13/61	CDI
CNLM-3480	NJ-18D Present Status	Horan, J.	3/13/61	CDI
CNLM-3481	NJ-18A and NJ-18C Present Status	Horan, J.	3/13/61	CDI

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CNLM-3482	Combination Turbofan-Turbojet Engine	Larson, J.	3/7/61	U
CNLM-3483	NX-2 Flight Envelope Comparison	Danks, G.	3/17/61	CDI
CNLM-3484	Estimated JTN11 Engine Rotor Speed NJ-18D Powerplant	Meier, R.	3/7/61	CDI
CNLM-3485	Monthly Progress Report Under Contracts AT (11-1)-229, AF 33(600)-41233 and AF 33(600)-40548	Schmickrath, B.	3/6/61	CRD
CNLM-3486	NJ-18C Compressor Discharge Bleed Conditions	Shepardson, J.	3/6/61	CDI
CNLM-3487	NJ-18D and NJ-19 Component Weight Trade Factors Requested by J. J. Horan	Whittaker, R.	3/14/61	CDI
CNLM-3488	Telephone Request of March 3, 1961. Transmittal of Seven Documents	Meyer, R.	3/6/61	U
CNLM-3489	Declassification of Columbium-Zirconium Alloy	Miller, J.	3/8/61	U
CNLM-3490	Summarization of the Technical Program Undertaken in 1958 by P&WA for the Atomic Energy Commission Research	Holtsinger, C.	3/6/61	CRD
CNLM-3491	Fuel Manifold Carbon Formation Studies	Shepardson, J.	3/23/61	CDI
CNLM-3492	Interim Report - Project - 1814-Develop Electrolytic Machining Equipment and Data Necessary to Machine Columbium Alloys	Barker, W.	3/13/61	U
CNLM-3493	I and J Probes Positions in Liquid Tanks for the 11C Reactor Test	Hicks, J.	3/8/61	U
CNLM-3494	Carbon Formation in Internal Fuel Manifolds	Meyer, R.	3/7/61	CDI
CNLM-3495	Completion Schedule of Preliminary Abstracts for PWAR 11C Reactor Experiment	Steele, R.	3/13/61	U

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CNLM-3496	Report of the CANEL Welding and Brazing Committee Meeting on March 7, 1961	Neumeister, R.	3/8/61	U
CNLM-3497	Power Package Flight Operation Schedule Test Description Number 2 NJ-18A Power Package	Lueckel, W.	1/20/61	SRD
CNLM-3498	Summary of P&WA Forced Convection Inpile Loop. Seven Pages of Text and Figure 1 and Figure 2 of CNLM-1194	n.a.	3/8/61	SRD
CNLM-3499	Pressure Vessel Heaters	Schaefer, R.	3/10/61	U
CNLM-3500	NJ-18C Reactor Temperature Schedule	Kummerer, K.	3/21/61	CRD
CNLM-3501	Design Changes for Reflector Structural Test	Doak, R.	3/8/61	CRD
CNLM-3502	Cooling of Primary Pump Vapor Trap for the Heat Exchanger Hot Flow Test	Overman, A.	3/8/61	U
CNLM-3503	Semi-Monthly Progress Report for the Period 2/16/61 to 2/28/61	Arnstein, R. Horan, J. Rice, A.	3/13/61	U
CNLM-3504	Metallurgical Engineering Progress Report for February 1961	Treciokas, V.	3/9/61	CRD
CNLM-3505	Combination Turbofan-Turbojet Engine	Larson, J.	3/13/61	U
CNLM-3506	1500F Radiator Design Data for Propulsion Unit Test	Shepardson, J.	3/10/61	CDI
CNLM-3507	Primary System Fill and Drain Line for Heat Exchanger Hot Flow Test	Overman, A.	3/13/61	U
CNLM-3508	Brazing Development for Inpile Test Units	Tarasewich, A.	3/22/61	U
CNLM-3509	Propulsion System Engineering Monthly Progress Report	Meyer, R.	3/13/61	CRD

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CNLM-3512	Field Welding and Annealing Design Requirements, Primary System Piping	Dreisbach, R.	3/16/61	U
CNLM-3513	Development Work on Control Drum Motors, Associated Bearings and Bearing Materials	Tarasewich, A.	3/14/61	CRD
CNLM-3514	Critical Operating Conditions for Engine Fuel Manifold Carbon Formation	Gaffin, W.	3/15/61	U
CNLM-3515	Request for Evaluation of the Sparcatron Process	King, V.	3/17/61	U
CNLM-3516	Cb-Ti Alloys	Delgrosso, E.	3/17/61	CRD
CNLM-3517	Performance Data Required for the NJ-18 Installation Handbook	Andrews, N.	3/15/61	CDI
CNLM-3518	Summaries of the Two Papers to be Presented at the American Nuclear Society Meeting in Dallas	Beardsley, G.	3/15/61	U
CNLM-3519	Liquid Metal Valve Drawing Identification	Hicks, J.	3/22/61	U
CNLM-3520	PWAR 11-C Pre-Disassembly Operations	Ackerman, F.	3/23/61	U
CNLM-3521	Progress Report for Period Ending February 28, 1961	Lombard, R.	3/16/61	U
CNLM-3522	Summary of Development and Idaho Requirements for Liquid Metal Valve Program	Nelson, C.	3/21/61	U
CNLM-3523	Materials Laboratory Progress Report February, 1961	Raring, L.	3/17/61	CRD
CNLM-3524	Progress Report - February, 1961	Strough, R.	3/21/61	CRD
CNLM-3526	JTN11 Turbojet Engine After-heat Removal Performance	Whittaker, R.	3/22/61	CDI
CNLM-3527	Semi-Monthly Status Report March 1 Through 15, 1961	Arnstein, R.	3/17/61	U
CNLM-3528	Decontamination of a Failed Liquid Metal System	Woodward, C.	3/12/61	U

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CNLM-3529	Interim Report - Project Number 1630. Develop Forming Techniques to Fabricate Heat Exchanger Jackets - T-1025443, T-102544, 1015782, and 1015786	Barker, W.	4/13/61	U
CNLM-3530	Water Supply at the Idaho Site	Fine, A.	3/23/61	U
CNLM-3531	CNLM-3451, JTN-11 Performance Comparison Nine Stage versus Ten Stage Compressor	Meyer, R.	3/17/61	CDI
CNLM-3532	Meeting at FRDC, March 16, 1961	Larson, J.	3/12/61	CDI
CNLM-3533	Nuclear Ramjet Engine Performance Calculation Procedure	Daum, N.	3/23/61	CDI
CNLM-3534	Purchase Order No. AEC-39573-Hoover Tool and Die Co.	Bernstein, E.	3/20/61	U
CNLM-3535	Request for Scrap Evaluation UO ₂ +BeO Mixed with Centerless Grinder Coolant. Scrap Weight 300 Gallons, Allotment Number LAR-40801-19-1	n.a.	3/12/61	CRD
CNLM-3536	Request for Scrap Evaluation - UO ₂ +BeO Mixed with Centerless Grinder Coolant. Scrap Weight- 50 Gallons. Allotment Number LAR-40801-19-1	n.a.	3/21/61	CRD
CNLM-3537	Request for Scrap Evaluation UO ₂ +BeO Mixed with Centerless Grinder Coolant. Scrap Weight 50 Gallons. Allotment Number LAR-40801-19-1	n.a.	3/21/61	CRD
CNLM-3538	Request for Scrap Evaluation UO ₂ + BeO Mixed with Centerless Grinder Coolant. Scrap Weight 50 Gallons. Allotment Number LAR-40801-19-1	n.a.	3/21/61	CRD
CNLM-3539	Request for Scrap Evaluation UO ₂ + BeO Mixed with Centerless Grinder Voolant. Scrap Weight 50 Gallons. Allotment Number LAR-40801-19-1	n.a.	3/21/61	CRD
CNLM-3540	Request for Scrap Evaluation UO ₂ + BeO Mixed with Centerless Grinder Coolant. Scrap Weight 100 Gallons. Allotment Number LAR-40801-19-1	n.a.	3/21/61	CRD

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CNLM-3541	Request for Scrap Evaluation U ₃₀₈ Powder. Scrap Weight 16 Grams. Allotment Number LAR-40801-19-1	n.a.	3/21/61	U
CNLM-3542	Preliminary Abstracts for PWAR-11C Reactor Experiment	Rovero, A.	3/24/61	U
CNLM-3543	PWAR-11C System Wiring Color Code	Rovero, A.	3/27/61	U
CNLM-3544	Trip Report - Hazards Meeting at Convair Fort Worth on March 1 and 2, 1961	Perry, P.	3/23/61	U
CNLM-3545	Comments on Cost Budget Report Operations Under Contract AT(11-1)-229 for the Fiscal Year 1961 Through February 28, 1961	Milliken, C.	3/22/61	CRD
CNLM-3546	Collection of Pump Sweep Gas During Ground Operation	Greene, R.	3/24/61	U
CNLM-3547	PWAR-11C Reflector and Control Drum Tube-to-Tube Sheet Joint Redesign	Zeisser, M.	3/24/61	U
CNLM-3548	Hot Day Afterburning Perform- ance NJ-18D Powerplant	Whittaker, R.	4/3/61	CDI
CNLM-3549	NJ-18C Component Weight Trade Factors	Whittaker, R.	3/28/61	CDI
CNLM-3550	Discussion of Liquid Metal System Integrity and Aircraft Shielding Questions	Meyer, R.	3/22/61	CRD
CNLM-3551	Visit to FRDC March 15, 16 and 17, 1961	Gaffin, W.	3/27/61	U
CNLM-3552	Quarterly Progress Report January-March, 1961	Treciokas, V.	3/27/61	CRD
CNLM-3553	Emergency Provisions for Handling Liquid Metal Leaks on the NJ-18 Power Package	Meyer, R.	4/3/61	CRD
CNLM-3555	Semi-monthly Progress Report for Period Ending March 15, 1961	Lombard, R.	3/24/61	U
CNLM-3556	Airbleed Driven Front Turbofan	Meier, R.	3/28/61	CRD

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CNLM-3557	Preliminary Design of a UC Fueled-reactor - Stage II	Check, P.	5/1/61	SRD
CNLM-3558	Fuel Elements for Criticality Hazards Experiments	Crume, E.	3/28/61	CRD
CNLM-3562	Summary of Results of NJ-18A Control Studies	Shepardson, J.	4/4/61	CDI
CNLM-3563	Scope and Description of PWAR-11C Reactor Experiment Documentation and Planning	McNeill, H.	5/11/61	U
CNLM-3564	AEC Case Number S-13, 648 (A-170) United States Application Serial Number 657, 667, Filed May 7, 1957	Tasker, M.	3/29/61	U
CNLM-3565	Office Action Dated 2/2/61, Re: Hilbert V. Schenck, Jr. Serial Number 657, 667 for Thermal Scheme	n.a.	3/29/61	SRD
CNLM-3566	PWAR-11C Helium Control Valve Sizing Requirements	Fancher, R. Macomb, E.	4/28/61	CRD
CNLM-3567	Monthly Progress Report Under Contracts AT (11-1)-229, AF 33(600)-41233 and AF 33(600)-40548	Schmickrath, B.	3/30/61	CRD
CNLM-3569	Declassification of Columbium Zirconium Alloy	Miller, J.	4/3/61	U
CNLM-3570	Reactivation of HE 12A Assembly Drawing	Green, M.	3/30/61	U
CNLM-3571	Analysis of Amounts Invoiced Contract AT 11-1-229 February 1961	n.a.	4/3/61	U
CNLM-3572	Analysis of Amounts Invoiced Contract AF 33-038-27341 February, 1961	n.a.	4/3/61	U
CNLM-3573	Analysis of Amounts Invoiced Contract AF 33-600-40548 February, 1961	n.a.	4/3/61	U
CNLM-3574	Summary of Cost - February, 1961 - Contracts AF 33-038-27341, AF 33-600-40548, AF 33-600-41233 and AT 11-1-229	n.a.	4/3/61	CDI

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CNLM-3575	Analysis of Amounts Invoiced Contract Number AF 33-600- 41233 February, 1961	n.a.	4/3/61	U
CNLM-3576	Engineering and Development Commitment Status February 1961 Contracts AF 33-600- 40548, AF 33-600-41233 and AT 11-1-229	n.a.	4/3/61	U
CNLM-3577	Request for Electron Micro- probe Examination of UC Pellet	Blecherman, S.	4/3/61	CRD
CNLM-3579	Assembly Photographs	Goodin, J.	4/3/61	CRD
CNLM-3580	Assembly Photographs	Goodin, J.	4/3/61	CRD
CNLM-3581	Assembly Photographs	Goodin, J.	4/3/61	CRD
CNLM-3582	Assembly Photographs	Goodin, J.	4/3/61	CRD
CNLM-3584	Assembly Photographs	Goodin, J.	4/3/61	CRD
CNLM-3585	NJ-18C with Supercharger	Kummerer, K.	4/13/61	CDI
CNLM-3586	NJ-18C Powerplant Radiator Size Variation	Kummerer, K.	4/18/61	CDI
CNLM-3587	Method for Estimating Sub- sonic Airplane Performance	Danks, G.	4/19/61	U
CNLM-3588	Operations and Test Manual for PWAR-11C Reactor Experiment Volume III Operations and Test Program	McNeill, H.	5/23/61	U
CNLM-3590	11 Pages of Charts for Presen- tation to the USAEC	Greenstreet, M.	4/5/61	SRD
CNLM-3590 (Supp. 1)	Status of Reactor Program	n.a.	4/5/61	CRD
CNLM-3590 (Supp. 2)	Status of the Canceled EOS's of Advanced Applications April 4, 1961	Klingensmith, K.	4/6/61	SRD
CNLM-3590 (Supp. 3)	Status of Reactor Program	n.a.	4/6/61	CRD
CNLM-3590 (Supp. 4)	Estimated Additional Cost for Operating the Experiment at NRTS	Meyer, R.	4/10/61	U

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CNLM-3591	Emergency Condition for Single Reactor Operation in the NJ-18C Powerplant	Whittaker, R.	4/11/61	CDI
CNLM-3592	Systems Performance Analysis Group Progress Report March 1961	Larson, J.	4/5/61	CDI
CNLM-3593	Advanced Materials Programs Discussed with the AEC Task Force April 4, 1961	n.a.	4/4/61	CRD
CNLM-3595	Advanced Materials Programs Discussed with the AEC Task Force	n.a.	4/4/61	CRD
CNLM-3596	Calculations of the Expected Dose Rates for the P&WA Divided Shield Mock Up at ORNL	Enos, J.	4/21/61	SRD
CNLM-3597	Propulsion System Engineering Monthly Progress Report, March 1961	Meyer, R.	4/11/61	SRD
CNLM-3598	Classification of FXM-5032 as Confidential Restricted Data, Issued as Unclassified	Beardsley, G.	4/12/61	CRD
CNLM-3599	Fuel Element Development Charts	Greenstreet, M.	4/17/61	CRD
CNLM-3600	Request for Scrap Evaluation UO ₂ Powder Scrap Weight .99 Grams	n.a.	4/12/61	U
CNLM-3601	Request for Scrap Evaluation UO ₂ Stainless Steel Fuel Elements	n.a.	4/12/61	U
CNLM-3602	Request for Scrap Evaluation Fuel Elements and Metallographic Specimens of UO ₂ and Stainless Steel Matrix	n.a.	4/12/61	U
CNLM-3603	Request for Scrap Evaluation UO ₂ Powder Scrap Weight - 3 Grams	n.a.	4/12/61	U
CNLM-3604	Request for Scrap Evaluation Fuel Elements and Metallographic Specimens of UO ₂ + Moderator (BeO) Scrap Weight-1,588 Grams	n.a.	4/12/61	CRD

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CNLM-3605	Request for Scrap Evaluation UO ₂ + BeO Moderator, Columbium in a Neutral Solution Scrap Weight 23 Gallons	n.a.	4/12/61	SRD
CNLM-3606	Request for Scrap Evaluation UO ₂ + Moderator (BeO) in a Neutral Solution	n.a.	4/12/61	SRD
CNLM-3607	Request for Scrap Evaluation Thorium in a Neutral Solution Scrap Weight 1/2 Gallon	n.a.	4/12/61	U
CNLM-3608	Request for Scrap Evaluation U-233 in Neutral Solution Scrap Weight 32 Ounces	n.a.	4/12/61	U
CNLM-3609	Request for Scrap Evaluation Fuels Elements of UO ₂ + Stain- less Steel Scrap Weight, 2225 Grams	n.a.	4/12/61	U
CNLM-3610	Request for Scrap Evaluation Metallographic Specimens and Fuel Elements of UO ₂ + BeO	n.a.	4/12/61	SRD
CNLM-3611	Request for Scrap Evaluation UO ₂ + Moderator (BeO) Mixed with Paper and Non-combustibles Scrap Weight - 78 Kilograms	n.a.	4/12/61	SRD
CNLM-3612	Metallurgical Engineering Progress Report for March, 1961	Treciokas, V.	4/17/61	CRD
CNLM-3613	Request for Scrap Evaluation UO ₂ + Cb Pellets and Powder Scrap Weight 2.20 Grams	n.a.	4/12/61	SRD
CNLM-3614	Request for Scrap Evaluation Enriched UO ₂ Alloyed with 26.7 Grams of Platinum in Two Carbon Crucibles Scrap Weight 78.41 Grams	n.a.	4/12/61	U
CNLM-3615	Request for Scrap Evaluation UO ₂ + Pellets and Powder (BeO) Scrap Weight 640 Grams	n.a.	4/12/61	SRD

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CNLM-3616	Request for Scrap Evaluation UO ₂ + (BeO) Pellets and Powder Scrap Weight 225 Grams	n.a.	4/12/61	SRD
CNLM-3617	Request for Scrap Evaluation UO ₂ + (BeO) on Paper Scrap Weight 7, 441 Grams	n.a.	4/12/61	SRD
CNLM-3618	Request for Scrap Evaluation UO ₂ + (BeO) on Paper Scrap Weight 4, 825 Grams	n.a.	4/12/61	SRD
CNLM-3619	Request for Scrap Evaluation UO ₂ + (BeO) Pellets and Powder Scrap Weight 128 Grams	n.a.	4/12/61	SRD
CNLM-3620	Connecticut Aircraft Nuclear Engine Laboratory - Current Facilities Middletown, Conn- ecticut	LeMar, H.	5/10/61	U
CNLM-3621	Continuation of Radiator Group Bibliography	Allen, J.	2/8/62	CDI
CNLM-3622	Progress Report March, 1961	Strough, R.	4/19/61	CRD
CNLM-3623	Office Action Re: Application of Philip P. Newcomb, Serial Number 687, 837, Filed 10/2/57 for "Means and Method of Assembly of a Nuclear Air- craft Engine." Project A-303	Tasker, M.	4/18/61	SRD
CNLM-3624	Cost Proposal	Schmickrath, B.	4/14/61	CRD
CNLM-3625	Irradiation Properties of Uranium Carbide	Hayes, B.	5/9/61	CRD
CNLM-3626	Materials Engineering Meeting April 12, 1961	Spinelli, F.	4/21/61	U
CNLM-3628	AIHA Annual Conference, 1961	Kerr, G.	4/24/61	U
CNLM-3629	Statement of Work Under AEC Contract Applicable for Period May 1, 1961 - June 30, 1961	n.a.	4/19/61	CRD
CNLM-3630	Statement of Work Under AEC Contract Applicable for Period July 1, 1961 - June 30, 1962	n.a.	4/19/61	CRD

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CNLM-3631	Preliminary Study Report of Primary System of 1 Mwe Space Powerplant	Lueckel, W.	4/25/61	CRD
CNLM-3632	List of Flip Charts Useful to the Applications Engineering Group	Klingensmith, K.	4/19/61	CRD
CNLM-3636	Materials Laboratory Progress Report March, 1961	Raring, L.	4/21/61	CRD
CNLM-3638	Statement of Work Under AEC Contract Applicable for Period May 1, 1961 - September 30, 1961	n.a.	4/24/61	SRD
CNLM-3639	Contamination Spot in Stress Rupture Vessel and a Piece of Cb-1Zr with Retort Debris Reaction	Karg, A.	4/24/61	U
CNLM-3640	Preliminary Proposal for Nuclear Powerplant Sodium Components Test Facility	n.a.	5/3/61	U
CNLM-3641	Summary of Remote Disassembly Work Accomplished on the PWAR-11C Experiment	Hawkins, R.	5/3/61	U
CNLM-3642	General Work Plan Reactor Program Period May 1, 1961 - September 30, 1961	n.a.	5/1/61	CRD
CNLM-3643	Hemispherical Total Emittance of Type 316 Stainless Steel	Harrington, L.	5/1/61	U
CNLM-3644	Request for Design Layout Studies of the Reactor for the 1 Mwe Space Powerplant	Perry, P.	4/28/61	U
CNLM-3646	General Work Plan Advanced Materials Research for the Period May 1, 1961 - September 30, 1961	n.a.	5/1/61	SRD
CNLM-3647	Monthly Progress Report for March, 1961 Under Contract AT (11-1)-229	Schmickrath, B.	4/28/61	CRD
CNLM-3648	Semi-Monthly Progress Report for Period Ending 4/15/61	Lombard, R.	4/28/61	U

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CNLM-3650	Report on Meeting of the CANEL Welding and Brazing Committee Held May 2, 1961	Neumeister, R.	5/9/61	U
CNLM-3651	Gap Measurements in the CCA-2G	Richings, H.	5/3/61	SRD
CNLM-3652	Verification of Uranium Content of Uranium Dioxide Received Under AEC Purchase Order 43965	Hobart, E.	5/9/61	U
CNLM-3656	Progress Report - April, 1961	Strough, R.	5/9/61	SRD
CNLM-3657	Space-Nuclear Conference of the American Rocket Society and ORNL	Klingensmith, K.	5/18/61	U
CNLM-3658	Lithium Testing of Columbium Clad Moly-Columbium Thermo- couples	Kobren, L.	5/9/61	CRD
CNLM-3659	Reactor Requirements for the 1 Mwe Space Powerplant	Perry, P.	5/10/61	CRD
CNLM-3661	Metallurgical Engineering Progress Report for April, 1961	Treciokas, V.	5/10/61	CRD
CNLM-3662	Draft Material, Work Program for Contract AT (30-1)-2789	Strough, R.	5/10/61	CRD
CNLM-3663	High Temperature Fuel Committee May 23-25, 1961 Reported by P&WA	Kuhns, R.	5/19/61	CRD
CNLM-3664	Current Program Tasks - and Sub- Tasks - Contract AT (30-1)- 2789	Greene, R.	5/17/61	CRD
CNLM-3665	Fuel Burnup Analysis Report	Kahn, M.	5/22/61	CRD
CNLM-3666	Reactor Program for Period May 1, 1961 - June 30, 1962 Contract AT (30-1)-2789	n.a.	6/5/61	CRD
CNLM-3666 (Rev. 1)	Reactor Program for Period May 1, 1961 - June 30, 1962 Contract AT(30-1)-2789 Revision 1	n.a.	7/28/61	CRD
CNLM-3667	Change in Classification Notice to all Receipts of Document CNLM-3595...	Beardsley, G.	5/17/61	CDI

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CNLM-3668	Visit to CANEL by Olin Mathison Representatives	Freed, M.	5/22/61	U
CNLM-3670	Materials Laboratory Progress Report April, 1961	Raring, L.	5/18/61	CRD
CNLM-3671	Boiler Design and Specifications for 1 Mwe Space Powerplant	Kardys, C.	5/29/61	U
CNLM-3672	Turbine Design and Specifications for 1 Mwe Space Powerplant	Kardys, C.	5/29/61	U
CNLM-3673	Condenser Design and Specifications for 1 Mwe Space Powerplant Design	Kardys, C.	5/29/61	U
CNLM-3674	Secondary Radiator Design and Specifications for 1 Mwe Space Powerplant	Kardys, C.	5/26/61	U
CNLM-3675	Main Radiator Design and Specifications for 1 Mwe Space Powerplant	Kardys, C.	5/25/61	U
CNLM-3676	Analysis of Amounts Invoiced Contract AF 33-038-27341, March, 1961	n.a.	5/19/61	U
CNLM-3677	Engineering and Development, Contract Number AF 33-600-40548 Commitment Status March, 1961	n.a.	5/19/61	U
CNLM-3678	Analysis of Amounts Invoiced, Contract Number AF 33-600-41233 March, 1961	n.a.	5/19/61	U
CNLM-3679	Analysis of Amounts Invoiced, Contract AF 33-600-40548 March, 1961	n.a.	5/19/61	U
CNLM-3680	Analysis of Amounts Invoiced, Contract AT 11-1-229 March, 1961	n.a.	5/19/61	U
CNLM-3681	Classification at CANEL Under Contract AT (30-1)-2789	Beardsley, G.	5/19/61	CRD
CNLM-3682	Preliminary Design of a Lithium Cooled Reactor for the 1 Mwe Space Powerplant	Gemma, A. Perry, P. Rotondo, C.	6/1/61	CRD

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CNLM-3682- (Supp. 1)	Problems Associated with the Design and Development of the Lithium Cooled Reactor for the 1 Mwe Space Powerplant	Perry, P.	6/29/61	CRD
CNLM-3683	Analog Study of Thermocouple Attachments	Naples, P	5/22/61	CRD
CNLM-3684	Summary of Costs and Obligations for Operating Expenses Schedule 20	n.a.	5/22/61	CRD
CNLM-3685	Preliminary Analog Study of the SSRT-159 Primary System	Gagnon, R.	5/31/61	CRD
CNLM-3686	Shielding for the 1 Mwe NASA Proposal Study	Woodsum, H.	6/2/61	CRD
CNLM-3687	Preliminary Design of Reactor Lithium Pump for Space Powerplant (SSRT-159)	Wood, G.	6/2/61	U
CNLM-3687 (Supp. 1)	Preliminary Design of Reactor Lithium Pump for Space Powerplant (SSRT-159A)	Wood, G.	7/19/61	U
CNLM-3687 (Supp. 2)	Preliminary Design of Reactor Lithium Pump for Space Powerplant (SSRT-159A, Revision 1)	Wood, G.	7/25/61	U
CNLM-3688	Preliminary Design of Secondary Potassium Pump for Space Powerplant (SSRT-159)	Wood, G.	6/2/61	U
CNLM-3688 (Supp. 1)	Preliminary Design of Main Potassium Pump for Space Powerplant (SSRT-159A)	Wood, G.	7/20/61	U
CNLM-3688 (Supp. 2)	Preliminary Design of Main Potassium Pump for Space Powerplant (SSRT-159A), Revision 1	Wood, G.	7/19/61	U
CNLM-3689	Secondary Heat Exchanger	Horan, J.	6/2/61	U
CNLM-3690	Control Drive Development Bearing Inspection	Parks, G.	6/2/61	U
CNLM-3691	AEC Proposed Program, May 25, 1961	n.a.	5/26/61	CRD

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CNLM-3692	Advanced Materials Research Program for Period May 1, 1961 - June 30, 1962 Contract AT (30-1)-2789	n.a.	6/5/61	CRD
CNLM-3693	Lithium Forced Convection Corrosion Testing at Connecticut Aircraft Nuclear Engine Laboratory	Klingensmith, K.	5/28/61	CRD
CNLM-3694	NaK Testing at Connecticut Aircraft Nuclear Engine Laboratory	Kelly, R.	5/29/61	CRD
CNLM-3695	GE-ANP Materials Task	DeCrescente, M.	6/7/61	SRD
CNLM-3696	Summary of Preirradiation Testing for a Thermocouple Calibration Capsule Mockup	Tarasewich, A.	6/15/61	U
CNLM-3697	Metallurgical Engineering Progress Report for May 1961	Treciokas, V.	6/7/61	CRD
CNLM-3698	Strength Evaluation of DuPont Alloy D-11 (Cb-1Zr)	Stewart, J.	6/16/61	CRD
CNLM-3699	Development of an Oxidation Resistant Nickel-base Cermet	Harrison, R.	7/20/61	U
CNLM-3700	Metallurgical Examination of 1 MW Bimetallic Loop	Kobren, L.	6/9/61	CRD
CNLM-3701	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	6/12/61	CRD
CNLM-3701 (Rev. 1)	Active List of Engineering Order Supplements with Corresponding Work Order Numbers	Smith, S.	8/24/61	CRD
CNLM-3701 (Rev. 2)	Active List of Engineering Order Supplements	Smith, S.	4/23/62	CRD
CNLM-3701 (Rev. 3)	Active List of Engineering Order Supplements	Smith, S.	8/1/62	U
CNLM-3701 (Rev. 4)	List of Active Engineering Order Supplements	Smith, S.	11/6/62	U
CNLM-3702	Preliminary Corrosion Examination of Type 316 Radiator PW-104S-2	Grossman, H.	7/19/61	CDI

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CNLM-3703	American Nuclear Society 1961 Annual Meeting, Pittsburgh, Pennsylvania	Boraks, R.	6/14/61	U
CNLM-3704	Charts Used in CANEL Presentation to NASA Representatives. May 23, 1961	n.a.	6/14/61	SRD
CNLM-3705	Corrosion Investigation of Girth Weld Specimens Fabricated with DuPont D-11 Cb-1 Zr Alloy	Kobren, L.	6/15/61	CRD
CNLM-3706	Thermocouples for the Silver Capsules PWA 25-10 and PWA 25-10C	Fanciullo, S.	6/15/61	U
CNLM-3707	Meeting on High Temperature Liquid Metal Heat Transfer at Argonne National Laboratory	Klingensmith, K.	6/19/61	U
CNLM-3708	Lecture on Boiling Potassium in Columbium-1 Zirconium Container at 2000 - 2200 F Given at 1961 Annual ANS Meeting	Kardys, C.	6/29/61	U
CNLM-3709	Additional Shield Design Calculations for the 1 Mwe NASA Proposal Study	Woodsum, H.	7/18/61	CRD
CNLM-3710	Description of CANEL Materials Laboratory P&WA, Division of United Aircraft Corporation	n.a.	7/10/61	U
CNLM-3711	Presentation to Members of the Staff Division of Reactor Development AEC, Germantown, Maryland	n.a.	6/28/61	SRD
CNLM-3712	Request for UC Irradiation Test Calculations	Freed, M.	7/20/61	SRD
CNLM-3713	Fuel Element Analog Temperature	Bauer, H.	7/20/61	CRD
CNLM-3713 (Supp. 1)	Corner and Edge Element Temperature Study	Bauer, H.	9/14/61	CRD
CNLM-3714	Proposal for Continuation of an Investigation of the Work Hardening Behavior of Body Centered Cubic Refractory Metals	Schmickrath, B.	7/19/61	U

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CNLM-3715	Request for Uranium Carbide Fuel Element Calculations	Freed, M.	7/20/61	CRD
CNLM-3716	Metallurgical Engineering Quarterly Progress Report for Subtask 0505 for Period May-June, 1961	Treciokas, V.	6/29/61	CRD
CNLM-3717	Metallurgical Engineering Quarterly Progress Report for Subtask 0903, for Period May-June, 1961	Treciokas, V.	6/29/61	CRD
CNLM-3718	Analysis of Amounts Invoiced Contract AT 11-1-229 April 1961	n.a.	6/29/61	U
CNLM-3719	Analysis of Amounts Invoiced Contract AF 33-038-27341 April 1961	n.a.	6/29/61	U
CNLM-3720	Analysis of Amounts Invoiced Contract AF 33-600-40548, April 1961	n.a.	6/29/61	U
CNLM-3721	Analysis of Amounts Invoiced AF 33-616-7855 April 1961	n.a.	6/29/61	U
CNLM-3722	Analysis of Amounts Invoiced Contract Number AF 33-600- 41233 April 1961	n.a.	6/29/61	U
CNLM-3723	Analysis of Amounts Invoiced Contract AT 11-1-229 April 1961	n.a.	6/29/61	U
CNLM-3724	Generator Design Consideration for 1 Mwe Space Powerplant	Roebuck, J.	7/19/61	U
CNLM-3726	Fuel Elements and Metallographic Specimens of UO_2 + Moderator (BeO)	n.a.	6/30/61	CRD
CNLM-3727	UO_2 + Stainless Steel Fuel Elements	n.a.	6/30/61	U
CNLM-3728	93 Percent 1 Mil, 2 Mil, and 3 Mil Foils	n.a.	6/30/61	U
CNLM-3729	UO_2 Powder	n.a.	6/30/61	U
CNLM-3730	UO_2 Mixed with BeO, Stainless Steel and Metal-X and Paper	n.a.	6/30/61	CRD

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CNLM-3731	UO ₂ Powder Mixed with BeO, Metal-X Stainless Steel and Paper	n.a.	6/30/61	CRD
CNLM-3732	Thorium Metal Powder	n.a.	6/30/61	U
CNLM-3733	U-233 in Solution as UO ₂ Rb (NO ₃) ₃	n.a.	6/30/61	U
CNLM-3734	UO ₂ and BeO Powder Mixed with Paper Which has been Burned to Ash and Then Leached in an Acid Bath	Beardsley, G.	6/30/61	CRD
CNLM-3735	UO ₂ and BeO in Neutral Solution	Beardsley, G.	6/30/61	CRD
CNLM-3736	UO ₂ and BeO Mixed with Centerless Grinder Coolant	Beardsley, G.	6/30/61	CRD
CNLM-3737	UO ₂ and BeO Pellets and Micro Metallographic Specimens	Beardsley, G.	6/30/61	CRD
CNLM-3738	UO ₂ and BeO Powder and Pellets	Beardsley, G.	6/30/61	CRD
CNLM-3739	UO ₂ and BeO Powder Mixed with Paper	Beardsley, G.	6/30/61	CRD
CNLM-3740	UO ₂ and BeO Powder and Pellets	Beardsley, G.	6/30/61	CRD
CNLM-3741	Clad Fuel Elements of UO ₂ BeO	Beardsley, G.	6/30/61	CRD
CNLM-3742	UO ₂ and BeO in Neutral Solution	Beardsley, G.	6/30/61	CRD
CNLM-3743	UO ₂ and BeO in Neutral Solution	Beardsley, G.	6/30/61	CRD
CNLM-3744	UO ₂ and BeO in Neutral Solution	Beardsley, G.	6/30/61	CRD
CNLM-3745	Fabrication of Inpile Capsule Elements for 10,000 Hour Test Program	Lomerson, E.	7/3/61	CRD
CNLM-3746	An Approximate Method for the Solution of Potassium Boiler Kinetics Using an Electronic Analog Computer	Beltrachi, L.	7/20/61	U
CNLM-3747	Liquid Metal Pump Considerations for 1 Mwe Space Powerplant	Roebuck, J.	7/20/61	U

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CNLM-3748	Metallurgical Engineering Quarterly Progress Report for Subtask 0901 for Period May-June, 1961	Treciokas, V.	7/6/61	CRD
CNLM-3749	Corrections to Financial Report for May 1961, Contract AT (30-1)- 2789 - Pages 37, 39, and 48	Beardsley, G.	7/7/61	CRD
CNLM-3750	PWAR-16 Reactor Experiment Heat Removal Systems Design Require- ments, System Components, and Specifications	Bigelow, C. Driesbach, R.	11/8/61	CRD
CNLM-3750 (Supp. 1)	PWAR-16 Evacuation System AT (30-1)-2789	Bigelow, C. Dreisbach, R.	1/23/62	U
CNLM-3750 (Supp. 2)	Purified Inert Gas Requirements for the PWAR-16 Reactor Experi- ment Contract AT (30-1)-2789	Bigelow, C. Dreisbach, R.	1/29/62	U
CNLM-3750 (Supp. 3)	Pump, Sump, Sweep and Seal Gas Systems; PWAR-16 Primary, Secondary Reflector Pumps	Bigelow, C. Driesbach, R.	2/8/62	U
CNLM-3750 (Supp. 4)	PWAR-16 Primary, Secondary and Reflector Coolant Systems Pump Lubrication System	Bigelow, C. Driesbach, R.	1/29/62	U
CNLM-3750 (Supp. 5)	PWAR-16 Jacket Gas System	Bigelow, C. Dreisbach, R.	1/29/62	U
CNLM-3750 (Supp. 6)	Design Specifications for the Reflector Coolant System's Oxide Control Stations	Bigelow, C. Dreisbach, R.	2/8/62	U
CNLM-3750 (Supp. 7)	LCRE Oxide Control Stations	Gray, W.	6/19/62	U
CNLM-3750 (Supp. 8)	LCRE NaK Fill and Drain Tanks	Gray, W.	7/10/62	U
CNLM-3750 (Supp. 9)	Request for Change in LCRE Primary System	Bigelow, C. Wray, R.	8/6/62	U
CNLM-3750 (Supp. 10)	Heater and Instrumentation Requirements, Oxide Control Stations	Gray, W.	9/17/62	U
CNLM-3750 (Supp. 11)	LCRE Vapor Trap Design	Gray, W.	9/17/62	U

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CNLM-3750 (Supp. 12)	LCRE Oxide Plugging Indicator	Tobiasz, E.	11/6/62	U
CNLM-3750 (Supp. 13)	LCRE Reflector System Revised Flow Conditions	Gray, W.	5/29/63	CRD
CNLM-3750 (Rev. 1)	Lithium Cooled Reactor Experiment (LCRE) Heat Removal Systems Design Requirements, System Components, and Specification Idaho Installation N.R.T.S.	Bigelow, C. Gray, W.	10/8/62	CRD
CNLM-3750 (Rev. 1) (Supp. 1)	PWAR-16 Primary, Secondary and Reflector Coolant Systems Pump Lubrication System	Schaefer, R. Patenaude, R.	2/27/62	U
CNLM-3750 (Rev. 1) (Supp. 2)	P&WA Valve Installations for LCRE Systems	Gray, W.	11/6/62	U
CNLM-3751	Mechanical Arrangement Studies and Experiment Concept Selection	Smith, E.	12/4/61	CRD
CNLM-3753	Materials and Engineering Data Requirements for a 10,000 Hour Reactor Concept	Bigelow, C.	8/1/61	CRD
CNLM-3754	Preliminary Analysis of Energy Release from the Loss of Coolant Accident in the LCRE	McNeill, H. Sindt, H. Dissler, J.	5/22/62	CRD
CNLM-3754 (Supp. 1)	Nuclear Excursions Resulting from Core Meltdowns - LCRE	Bronke, V.	1/2/64	CRD
CNLM-3755	Engineering Core Parametric Study of UC and UO ₂ Fueled Compact Reactors	Langweil, W. Dissler, J.	9/8/61	CRD
CNLM-3756	Physics Parameter Study for Reactors with Lithium-cooled UO ₂ -BeO Cores	Johnson, H.	8/23/61	CRD
CNLM-3757	Physics Parameter Study for Reactors with Lithium-cooled Uranium Carbide Cores	Johnson, H.	7/31/61	CRD

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CNLM-3757 (Supp. 1)	Physics Parameter Study for Reactors with Lithium-cooled Uranium Carbide	Johnson, H.	7/31/61	CRD
CNLM-3757 (Supp. 2)	Physics Parameter Study for Reactors with Lithium Cooled Uranium Carbide Cores	Johnson, H.	8/1/61	CRD
CNLM-3758	Physics Studies to Establish Specific Reactor Features	Ruby, D.	8/24/61	CRD
CNLM-3758 (Supp. 1)	Status of Nuclear Analysis of Small Reactors	Ruby, D.	9/8/61	CRD
CNLM-3759	Proposed Structural Design Criteria for High Temperature, Long Life Reactors	Wray, R.	8/24/61	CRD
CNLM-3760	Optimum and Alternate Heat Removal Systems for the PWAR-16 Reactor Experiment	Bronke, V.	10/11/61	CRD
CNLM-3761	Preliminary Design Specifications for the UO ₂ -BeO Reactor	Bigelow, C.	8/23/61	CRD
CNLM-3761 (Supp. 1)	Preliminary Design Specifications for the UO ₂ -BeO Reactor, PWAR-16	Bigelow, C.	11/3/61	CRD
CNLM-3761 (Supp. 2)	Preliminary Design Specifications for the Reactor, PWAR-16	Zeisser, M. Bigelow, C.	12/15/61	U
CNLM-3761 (Supp. 3)	Preliminary Design Specifications for the Reactor, PWAR-16	Zeisser, M. Bigelow, C.	2/16/62	CRD
CNLM-3761 (Supp. 4)	Preliminary Design Specifications for UO ₂ -BeO Reactor	Zeisser, M. Bigelow, C.	3/5/62	CRD
CNLM-3761 (Supp. 5)	Design Modification of PWAR-16 Power Transfer Element	Zeisser, M. Kuhns, R.	3/20/62	CRD
CNLM-3761 (Supp. 6)	PWAR-16 Liner and Control Case Assembly File 350, Layout Number 101385 Sheet 3	Wray, R. Bigelow, C.	4/2/62	CRD
CNLM-3761 (Supp. 7)	Request for Changes in L.C.R.E. Reflector Inlet Configuration	Zeisser, M.	6/13/62	U
CNLM-3761 (Supp. 8)	LCRE Reactor Design Changes	Zeisser, M. Bigelow, C.	8/10/62	CRD

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CNLM-3761 (Supp. 9)	Design Modification of LCRE Core Support	Karcher, G.	11/7/62	U
CNLM-3761 (Supp. 10)	Reactor Core Assembly Changes	Zeisser, M.	11/23/62	U
CNLM-3763	Preliminary Design of Generator Coolant (Auxiliary) Potassium Pump for Space Powerplant (SSRT-159A)	Wood, G.	7/20/61	U
CNLM-3764	Evaluation of 3/4 Mw and 1 Mw Stands for Testing Space Radiators	Horan, J.	7/20/61	CRD
CNLM-3765	Progress Report for June 1961 Subtask 0903	Banach, H.	7/11/61	CRD
CNLM-3766	Subtask Progress Report for June 1961	Treciokas, V.	7/11/61	CRD
CNLM-3767	Structural Evaluation of Exist- ing Components for Use in a New Reactor Experiment	Martin, R.	8/24/61	U
CNLM-3768	Preliminary Design of Radiator Coolant Pumps for Space Power- plant (SSRT-159A)	Wood, G.	7/19/61	U
CNLM-3768 (Supp. 1)	Revision in SSRT-159A, Revision 1 Radiator Pump Design	Wood, G.	8/1/61	U
CNLM-3769	Outline for Inspection and Assembly Inpile Capsule Element and Barrel	Lomerson, E.	7/12/61	U
CNLM-3770	Material for the Buffer Bearing Development Program	Smith, A.	8/8/61	U
CNLM-3771	Information for Analog Study of SSRT-159 A Powerplant Pumps	Wood, G.	7/14/61	U
CNLM-3774	Request for Irradiation Capsule Design	Darrah, J.	7/19/61	CRD
CNLM-3775	Replacement Thermocouples for the Silver Capsules PWA-25-10 and PWA-25-10C	Fanciullo, S.	8/24/61	U
CNLM-3776	Nondestructive Determination of Surface Contamination of Columbium and Columbium Alloys	Muszynski, R.	7/24/61	U
CNLM-3777	Materials Progress Report for July 1961	Kelly, K. Treciokas, V.	7/26/61	CRD

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CNLM-3778	P&WA Proposal, "Experimental Investigation of Corrosion with High Temperature Alkali Metals"	Holtsinger, C.	7/28/61	CRD
CNLM-3779	Operating and Maintenance Manual Test Cell Number 1 CANEL Nuclear Physics Laboratory	Sandin, E.	7/28/61	U
CNLM-3780	Classification Under Contract AT(30-1)-2789	Beardsley, G.	7/28/61	CRD
CNLM-3781	The Effect of Zirconium on Internal Friction in Columbium	Bunn, P.	7/28/61	U
CNLM-3782	AEC-21 Form Preliminary Request for Irradiation Services (PW-21 Capsule Series)	n.a.	7/31/61	CRD
CNLM-3783	Letter Dated July 13, 1961 to L. W. Love with Attached Bar Graph of Irradiation Program	Parks, A.	8/31/61	CRD
CNLM-3784	Support, Heat Exchanger Tube	Martin, R.	8/1/61	U
CNLM-3785	Monthly Progress Report, July 1961	Parks, A.	7/28/61	CRD
CNLM-3786	Corrected Pages to CNLM-3666, Revision 1	Greene, R.	8/16/61	U
CNLM-3787	Design of Two Lithium Vapor Traps	Randall, D.	8/24/61	CRD
CNLM-3788	Instrumentation for Advanced Inpile Capsules	Parks, A.	8/11/61	CRD
CNLM-3789	Letter to L. R. Kelman, Argonne National Laboratory Enclosing a CRD Chart on 'Stress-rupture Strength of Columbium-1 Zirconium Alloy'	Kelly, K.	8/11/61	CRD
CNLM-3790	In Answer to Questions Asked K. K. Klingensmith at the High Temperature Liquid Metal Heat Transfer Conference	Kelly, K.	8/16/61	CRD

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CNLM-3791	Investigate Capillary Tubing Failure from Taylor Dual Pressure Transmitter Used on PT-6	Doughty, C.	9/12/61	U
CNLM-3792	Preliminary Teardown Report TP-1C-2 Pump - Hot Air Test	Grennan, C.	8/24/61	U
CNLM-3793	Preliminary Teardown Report TP-1C-3 Pump - Cold Air Test	Grennan, C.	8/24/61	U
CNLM-3794	Transmittal Letter (UWD) Dated 8/16/61 to McColey with Attached Photocopies of the Financial Data for the Month of July 1961 for Contract AT(30-1)-2789	Strough, R.	8/17/61	CRD
CNLM-3795	Priority Requirements for Materials Property Information Tests and Development	Banach, H.	8/16/61	CRD
CNLM-3796	...Submitting AEC-22 Form Entitled "Irradiation Services Purchase Order"	Strough, R.	8/16/61	CRD
CNLM-3797	AEC-22 Form "Irradiation Services Purchase Order Number 609116 Contract Number AT(10-1)-205	n.a.	8/16/61	CRD
CNLM-3798	Preparation of Narratives for Fiscal 1963 Subtasks	Greene, R.	8/23/61	CRD
CNLM-3799	List of Reports Pertinent to the PWAR-11C Reactor Experiment	Bauer, H.	9/8/61	CRD
CNLM-3800	Measured Linear Thermal Expansion, 68-1800-68F of Two Lots of BeO and Three Lots of BeO + 35 Vol % UO ₂	Harrington, L.	9/8/61	CRD
CNLM-3801	Analysis of Amounts Invoiced - Contract AT 11-1-229 for May 1961	n.a.	8/22/61	U
CNLM-3802	Analysis of Amounts Invoiced - Contract AT(30-1)-2789 for May 1961	n.a.	8/22/61	U
CNLM-3803	Analysis of Amounts Invoiced Contract AF-33-038 27341	n.a.	5/61	U
CNLM-3804	Engineering and Development - Contract Number AF 33-600-41233 Commitment Status for May 1961	n.a.	8/22/61	U

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CNLM-3805	Analysis of Amounts Invoiced - Contract AF 33-600-40548 for May 1961	n.a.	8/22/61	U
CNLM-3806	Analysis of Amounts Invoiced - Contract Number AF 33-616-7855 for May 1961	n.a.	8/22/61	U
CNLM-3807	Procurement of Specimens of UC for the Measurement of the Physical Properties Required for Sub-task 0901	Harrington, L.	8/22/61	CRD
CNLM-3808	Procurement of Specimens for the Measurement of Physical Properties Required for Sub-task 0901	Harrington, L.	8/22/61	CRD
CNLM-3809	Preliminary Report on the CCA-5	Richings, H.	8/29/61	CRD
CNLM-3810	NaK Pump Survey	Fine, A.	8/31/61	U
CNLM-3811	Low Power Reactor Experiment, Instrumentation, Controls and Safety List	Schaefer, R.	9/8/61	U
CNLM-3812	Modifications to Drawing Number LH 101235, Sheet 3	Dreisbach, R.	8/25/61	CRD
CNLM-3813	Research for a Fundamental Study on the Work Hardening of Body Centered Cubic Metals	Gregory, D. Rowe, G.	12/1/61	U
CNLM-3814	Statement of Work October 1, 1961 - September 30, 1962	n.a.	9/6/61	CRD
CNLM-3815	Telephone Conversation on August 18, 1961 Concerning the Development and Use of Uranium Monocarbide as a Reactor Fuel	Strough, R.	8/31/61	CRD
CNLM-3816	Monthly Progress Report, August 1961	Parks, A.	9/8/61	CRD
CNLM-3816 (Supp. 1)	Monthly Progress Report, September 1961	Parks, A.	10/4/61	CRD
CNLM-3816 (Supp. 2)	Monthly Progress Report, October 1961	Parks, A.	11/2/61	CRD

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CNLM-3816 (Supp. 3)	Monthly Progress Report, November 1961	Parks, A.	12/7/61	CRD
CNLM-3816 (Supp. 4)	Monthly Progress Report, December 1961	Parks, A.	1/5/62	CRD
CNLM-3816 (Supp. 5)	Monthly Progress Report, January 1962	Parks, A.	2/8/62	CRD
CNLM-3816 (Supp. 6)	Monthly Progress Report, February 1962	Parks, A.	3/1/62	CRD
CNLM-3816 (Supp. 7)	Monthly Progress Report, March 1962	Parks, A.	4/5/62	CRD
CNLM-3816 (Supp. 8)	Monthly Progress Report, April 1962	Parks, A.	5/3/62	CRD
CNLM-3816 (Supp. 9)	Monthly Progress Report, May 1962	Parks, A.	6/4/62	CRD
CNLM-3816 (Supp. 10)	Monthly Progress Report, June 1962	Parks, A.	7/5/62	CRD
CNLM-3816 (Supp. 11)	Monthly Progress Report, July 1962	Parks, A.	8/2/62	CRD
CNLM-3816 (Supp. 12)	Monthly Progress Report, August 1962	Parks, A.	9/6/62	CRD
CNLM-3818	Materials Progress Report for August 1961	Kelly, K. Treciokas, V.	9/7/61	CRD
CNLM-3819	Thermal Expansion of Mo + 25 Percent CbC and WC + 8 Percent Mo + 2 Percent CbC from 68 to 1800F	Harrington, L.	9/20/61	U
CNLM-3820	Magnetic Flowmeter Installation on the PWAR-16 Primary, Second- ary and Reflector Loops	Fine, A. Shea, T.	11/3/61	U
CNLM-3820 (Supp. 1)	Revision to Magnetic Flowmeter Requirements for the PWAR-16	Schaefer, R.	12/15/61	U
CNLM-3821	Reactor Fuel Data Questionnaire	n.a.	9/11/61	CRD
CNLM-3822	Coatings Development for Con- taminated Rare Gas Atmosphere Applications	Hirakis, E.	9/12/61	CRD
CNLM-3822 (Rev. 1)	PWAR-16 Flow Diagrams	Patenaude, R.	12/20/61	U

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CNLM-3822 (Rev. 2)	PWAR-16 Flow Diagrams	Patenaude, R.	1/11/62	U
CNLM-3823	Summary of Physics Calculations for the UO ₂ -BeO Reactor with Core Diameter Equal	Johnson, H.	10/11/61	CRD
CNLM-3824	Task Breakdown - AT(30-1)-2789	Greene, R.	9/22/61	CRD
CNLM-3824 (Supp. 1)	Task Breakdown - AT(30-1)-2789	Greene, R.	11/28/61	CRD
CNLM-3825	Information Requested on Li and Cb-1 Zr Inventories, and Surface Areas of Reactor Number 21	Dissler, J.	9/18/61	CRD
CNLM-3826	Temperature Distribution of External Reflector for UO ₂ -BeO Reactor	Vassallo, D.	10/19/61	CRD
CNLM-3826 (Supp. 1)	Temperature Distribution of External Reflector for UO ₂ -BeO Reactor	Lahey, F.	2/9/62	CRD
CNLM-3827	Tensile Properties of BeO	Lieberman, W.	9/22/61	U
CNLM-3828	Forecast of Nuclear Materials Requirements (AEC 408) Fiscal Year 1962-1963 Kilograms of U ²³⁵	n.a.	9/19/61	CRD
CNLM-3828 (Supp. 1)	Forecast of Nuclear Materials Requirements (AEC 408) Fiscal Year 1962-1963 Kilograms of U ²³⁵	n.a.	9/19/61	U
CNLM-3829	Forecast of Nuclear Materials Requirements (AEC 408) Fiscal Year 1962-1963 Grams of U ²³³	n.a.	9/19/61	U
CNLM-3830	Forecast of Nuclear Materials Requirements (AEC 408) Fiscal Year 1962-1963 Grams of Plutonium (NYO 40402-0014)	n.a.	9/19/61	U
CNLM-3831	Trip Report to ORNL	Huegel, F.	9/22/61	CRD
CNLM-3832	Forecast of Nuclear Materials Requirements (AEC 408) Fiscal Year 1962-1963 Grams of Plutonium (NYO 6333-2)	n.a.	9/19/61	U
CNLM-3833	Allowable Pressures in the In-pile, Inner Case (T-1015043)	Smith, L.	9/28/61	U

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CNLM-3833 (Supp. 1)	Materials Comparison Between Haynes 25 and 316 SS for Allowable Pressures in the Inpile, Inner Case (T-1015043)	Smith, L.	3/7/62	U
CNLM-3833 (Supp. 2)	Allowable Pressures in the Inpile, Inner Case (T-1015043) Constructed of Cb-1 Percent Zr Alloy	Smith, L.	7/25/63	U
CNLM-3833 (Supp. 3)	Allowable Pressures in the Inpile, Inner Case (T-1015043) Constructed of Cb-1 Percent Zr Alloy	Smith, L.	7/31/63	U
CNLM-3834	Description of Reactor Experiment	n.a.	9/25/61	CRD
CNLM-3835	Comparative Cost and Schedule Data for Reactor Experiments	Holtsinger, C.	9/25/61	CRD
CNLM-3836	Fuel Burnup Analysis Report	Kahn, M.	9/28/61	CRD
CNLM-3837	Materials Quarterly Progress Report for Subtasks 0901, 0902 and 0903 for Period July - September, 1961	Kelly, K. Treciokas, V.	10/2/61	CRD
CNLM-3838	Enclosing Three Copies of Charts Used in Making Submarine Powerplant Presentation on August 14, 1961	Beardsley, G.	9/26/61	CDI
CNLM-3839	...Return of Outline of the Submarine Powerplant Presentation...	Beardsley, G.	9/27/61	CDI
CNLM-3840	Return of 3 Copies of the Outline of the Submarine Powerplant Presentation...	Beardsley, G.	9/27/61	CDI
CNLM-3841	Quarterly Progress Report (Third Quarter 1961)	Parks, A.	9/28/61	CRD
CNLM-3841 (Rev. 1)	Quarterly Progress Report Fourth Quarter - 1961	Parks, A.	1/4/62	CRD
CNLM-3841 (Rev. 2)	Quarterly Progress Report First Quarter -	Parks, A.	4/3/62	CRD
CNLM-3841 (Rev. 3)	Quarterly Progress Report Contract AT(30-1)-2789 Second Quarter 1962	Parks, A.	6/21/62	CRD

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CNLM-3842	Reactor Test Facility Location Study	Hedden, D.	10/15/61	U
CNLM-3843	Request for Design of Cb-Zr Regenerative Heat Exchanger	Randall, D.	10/11/61	CRD
CNLM-3844	Analysis of Amounts Invoiced Contract AT 11-1-229 June 1961	n.a.	10/2/61	U
CNLM-3845	Engineering and Development Contract AT 11-1-229 Commitment Status June 1961	n.a.	10/2/61	U
CNLM-3846	Engineering and Development Contract AT 30-1-2789 Commitment Status June 1961	n.a.	10/2/61	U
CNLM-3847	Engineering and Development Contract Number AF 33-600-40548 Commitment Status June 1961	n.a.	10/2/61	U
CNLM-3848	Engineering and Development Contract Number AF 33-600-7855 Commitment Status June 1961	n.a.	10/2/61	U
CNLM-3849	Engineering and Development Contract Number AF 33-600-41233 Commitment Status June 1961	n.a.	10/2/61	U
CNLM-3850	Analysis of Amounts Invoiced Contract Number AF 33-600-41233 June 1961	n.a.	10/2/61	U
CNLM-3851	Analysis of Amounts Invoiced Contract AF 33-038-27341 June 1961	n.a.	10/2/61	U
CNLM-3852	Analysis of Amounts Invoiced Contract AF 33-600-40548 June 1961	n.a.	10/2/61	U
CNLM-3853	Analysis of Amounts Invoiced Contract Number AF 33-616-7855 June 1961	n.a.	10/2/61	U
CNLM-3856	Summary of Meeting to Discuss the Current Reactor Design Held on September 1, 1961	Wunsch, W.	10/11/61	U

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CNLM-3857	Space Power Applicability of CANEL Reactor Program	Meyer, R.	10/3/61	CRD
CNLM-3858	Materials Compatibility Problem in Reactor Startup Source	Bourret, C.	10/11/61	CRD
CNLM-3859	Letter to McColley Dated October 5, 1961 with Attached Report: "Uranium Carbide Reactor Follow-on Experiment"	Strough, R.	10/6/61	CRD
CNLM-3860	Request for Declassification of Enclosed Report "Mass Transfer of Type 316 Stainless Steel by Liquid Lithium"	Beardsley, G.	10/5/61	CRD
CNLM-3863	Materials Progress Report for September 1961	Kelly, K. Treciokas, V.	10/11/61	CRD
CNLM-3865	Alternate Design Proposal and Requirements for the PWAR-16 Pump Sump	Bigelow, C.	10/19/61	U
CNLM-3866	Irradiation of Capsules PW21-310 and PW21-311	Craig, R.	10/11/61	CRD
CNLM-3867	Advanced High Temperature Materials Program for Period January 1, 1962 - June 30, 1962	Raring, L.	11/29/61	SRD
CNLM-3868	Advanced High Temperature Materials Program. Program Cost for Period May 1, 1961 - June 30, 1965	n.a.	12/11/61	CRD
CNLM-3869	Connecticut Aircraft Nuclear Engine Laboratory Facility Requirements - Atomic Energy Commission Contract AT(30-1)-2789, December 1, 1962	n.a.	12/11/61	U
CNLM-3870	Program Cost Estimate - Contract AT(30-1)-2789 for Period Fiscal Years 1961-1963	n.a.	12/21/61	CRD
CNLM-3871	Reactor Program Description of Tasks for Period May 1, 1961 - June 30, 1965	n.a.	12/8/61	CRD
CNLM-3872	Reactor Program - Program Cost Estimates for Period May 1, 1961 - June 30, 1965	n.a.	12/11/61	CRD

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CNLM-3872 (Supp. 1)	Supplement Number 1 Dated December 20, 1961 Has Been Inserted in CNLM-3872	n.a.	n.d.	CRD
CNLM-3873	Concerning the Classification of Five Pages in the Document Entitled "Submarine Powerplant Presentation, August 14, 1961"	Beardsley, G.	10/16/61	CRD
CNLM-3874	Returning of Sylvania Report SCNC-327...	Beardsley, G.	10/16/61	CRD
CNLM-3875	Trip Report on Engineering Meeting at Photocircuits Corporation, Glencove, New York, on October 11, 1961	Shuford, S.	10/24/61	U
CNLM-3876	Evaluation Tests of Materials for a Startup Source	Bourret, C.	10/19/61	U
CNLM-3877	Presentation to Weapons Systems Evaluation Group October 11, 1961	n.a.	10/24/61	CRD
CNLM-3878	PW21-400 Cladding Temperatures as Determined by an Electrical Analog Computer	Ackermann, W.	11/3/61	U
CNLM-3879	Work Program Document	Parks, A.	10/19/61	CRD
CNLM-3880	Request for Design Changes for 10 Inch Vessel Test	Doak, R.	10/19/61	CRD
CNLM-3881	Request for Fuel Elements for Handling Safety Experiments	Crume, E.	10/20/61	CRD
CNLM-3882	PWAR-16 Flow Diagrams	Schaefer, R.	11/6/61	U
CNLM-3883	Preliminary Investigation of Stresses in Regenerative Heat Exchanger Based on Latest Pressure Revisions	Martin, R.	11/3/61	U
CNLM-3884	Information Regarding Radiation Shutdown Doses That Would Result from Fuel Elements Failure in the PWAR 16 Reactor System	Holtsinger, C.	10/24/61	CRD
CNLM-3885	Request for Fuel Elements for Use in CCA-5 Critical Experiments	Crume, E.	11/3/61	CRD

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CNLM-3886	Preliminary Design Specifications for the PWAR-18 Reactor	Bigelow, C. Zeisser, M.	11/15/61	CRD
CNLM-3887	Harmonic Bearing Redesign	Heyl, P.	11/3/61	U
CNLM-3888	Materials Progress Report for October 1961	Kelly, K.	11/3/61	CRD
CNLM-3889	Explanation of Unique Fabrication Process for Uranium Mono-nitride-Columbium Cermet Fuel	n.a.	11/3/61	SRD
CNLM-3890	Preparation of Advanced Alloys	Delgrosso, E.	11/3/61	CRD
CNLM-3891	Auxiliary Systems Development-Liquid Metal Handling and Purification	Woodward, C. Schaefer, R.	11/16/61	U
CNLM-3893	Estimate and Explanation of Computing Charges for October	Kvick, P.	11/8/61	CRD
CNLM-3895	Research for a Fundamental Study on the Work Hardening of Body Centered Cubic Metals	Gregory, D. Rowe, G. Stroh, A.	11/30/61	U
CNLM-3896	Summary of Nuclear Fuels and Materials Development Calendar Year 1961	Raring, L.	11/16/61	SRD
CNLM-3897	Cb-1Zr Interaction with Al ₂ O ₃	Huegel, F.	11/14/61	CRD
CNLM-3898	Request for Pressure Vessel Structural Test Rig	Doak, R. Vitali, V.	11/28/61	U
CNLM-3900	PWAR-16 Reactor Test Facility Requirements	Fine, A.	2/22/62	U
CNLM-3901	Summary of Recent Nuclear Fuels Research and Development at CANEL	n.a.	11/21/61	CRD
CNLM-3902	Inpile Capsule Program	n.a.	11/17/61	CRD
CNLM-3902 (Supp. 1)	Inpile Capsule Program	n.a.	1/4/62	CRD
CNLM-3902 (Supp. 2)	Inpile Capsule Program	Parks, A.	3/30/62	CRD
CNLM-3902 (Supp. 3)	Inpile Capsule Program	Parks, A.	4/25/62	CRD

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CNLM-3902 (Supp. 4)	Inpile Capsule Program	Parks, A.	7/10/62	CRD
CNLM-3903	Heat Treatment Response of Two Columbium Base Alloys	Delgrosso, E. et al	11/17/61	CRD
CNLM-3904	8 x 11 Glossy Prints of Figures 1 Through 27 of CNLM-3896	n.a.	11/17/61	SRD
CNLM-3905	Letter Dated November 17, 1961 to H. F. Carroll, Chief, Declassi- fication Branch Subject: CNLM- 3903 and PWAC-328 Both CRD - Possibility of Downgrading	Beardsley, G.	11/17/61	CRD
CNLM-3906	Work Order Number for PWAR-16 Auxiliary System Design	Schaefer, R.	11/28/61	CRD
CNLM-3907	Material Requirements	Kuhns, R.	11/28/61	CRD
CNLM-3908	PWAR-16 "Calrod" Heaters	Dreisbach, R. Schaefer, R.	11/30/61	U
CNLM-3909	Fuel Element Hot Flow Test	Kuhns, R. et al	12/5/61	CRD
CNLM-3910	Analog Engineering Progress Report for the Week Ending November 24, 1961	Cole, P.	11/29/61	CRD
CNLM-3911	Request for Design of a Fuel Element Assembly Soak Test	Spahl, R.	12/7/61	CRD
CNLM-3912	Primary Piping Static Test Design Request	O'Brien, R.	12/7/61	CRD
CNLM-3913	Current Critical Experiments Program at CANEL	n.a.	12/6/61	CRD
CNLM-3914	PWAR-16 Primary Piping System Preheat Requirements	Bigelow, C.	12/15/61	U
CNLM-3914 (Supp. 1)	LCRE Piping and Electrical Heating System	Gray, W.	3/13/63	U
CNLM-3915	Trip Report Covering Annual Winter Meeting of the ASME (1961)	Karcher, G.	12/15/61	U
CNLM-3916	American Society of Mechanical Engineers Winter Annual Meeting New York, New York	Langweil, W.	12/15/61	U

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CNLM-3917	Substantiation for Increased FY 1963 Funding	n.a.	12/11/61	CRD
CNLM-3918	Materials Progress Report for November 1961	Kelly, K. Rowe, G.	12/15/61	CRD
CNLM-3920	Request for Tests of Control Drum Journal Bearings for PWAR-16 Reactor Experiment	Sutherland, J.	12/20/61	U
CNLM-3921	Jacket Heater Test	Bigelow, C.	1/17/62	U
CNLM-3922	Alkali Metal Corrosion Research	n.a.	12/13/61	CRD
CNLM-3923	Fuel Burnup Analysis Report	Kahn, M.	12/20/61	CRD
CNLM-3924	CANEL Hot Cell Facility	n.a.	3/27/62	U
CNLM-3925	Forecast of Nuclear Materials Requirements Fiscal Year 1963	n.a.	12/15/61	U
CNLM-3926	Forecast of Nuclear Materials Requirements Fiscal Year 1963	n.a.	12/15/61	U
CNLM-3927	Forecast of Nuclear Materials Requirements Fiscal Year 1963	n.a.	12/15/61	U
CNLM-3928	Forecast of Nuclear Materials Requirements Fiscal Year 1963	n.a.	12/15/61	U
CNLM-3929	Declassification of Enclosed Document ... (CNLM-3201)	Beardsley, G.	12/18/61	CRD
CNLM-3930	Test Program for Evaluation of Startup Source Materials	Sullivan, D.	1/3/62	U
CNLM-3931	Lithium Dump Tank Charging Information	Ford, J.	1/3/62	U
CNLM-3932	Patent Project A-730	Craig, R.	12/19/61	SRD
CNLM-3933	PWAR-16 Fill and Drain Tank Sizes and Heater Specifications	Hoey, M.	3/13/63	U
CNLM-3934	Request for Scrap Recovery and Reprocessing Services Form NY 228	n.a.	12/20/61	CRD

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CNLM-3935	... Paper Entitled "Refractory Metals as Alkali Liquid Metal Containment Materials" by Dr. Robert E. Cleary for Declassification Review	Beardsley, G.	12/20/61	CRD
CNLM-3936	Refractory Metals as Alkali Liquid Metal Containment Materials	Cleary, R.	12/20/61	U
CNLM-3937	Clarification of Voltage, Current and Power Requirements of the I ² R Heater Power Supply for the Heat Exchanger Hot Flow Test	Overman, A.	1/3/62	U
CNLM-3938	Drum Drive Motor Environment (PWAR-16)	Shiembob, L.	1/3/62	CRD
CNLM-3939	Fiscal Year 1962 Mid-Year Review	n.a.	12/28/61	CRD
CNLM-3940	Trip Report to Printed Motors, Incorporated Glen Cove, New York on December 21, 1961	Shuford, S.	1/3/62	U
CNLM-3941	Presentation to the Atomic Energy Commission, Washington, D. C. Dated December 20, 1961	n.a.	1/3/62	CRD
CNLM-3942	Compatibility of UC with Cb-1Zr	Darrah, J.	12/28/61	CRD
CNLM-3943	Quarterly Progress Report - September - December, 1961	Kelly, K. Rowe, G.	12/29/61	CRD
CNLM-3944	Suggested Test Program for Evaluating Cb-UC and Cb-UC-14 Compatibility	Dytko, E.	1/2/61	CRD
CNLM-3945	Heat Exchanger HE-14S Development and Test Program	Holtsinger, C.	12/28/62	CRD
CNLM-3946	Design Request for Jacket Heat Transfer Test	Plevyak, T.	1/29/62	CRD
CNLM-3947	Change to Layout - L101334	Dreisbach, R. Schaefer, R.	1/18/62	U
CNLM-3948	Analytical Development Assignments	Hobart, E.	1/9/62	CRD

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CNLM-3949	LP-1 Gas to Gas Seal Temperatures for Seal Heat Generations of .2Kw, .1Kw and Zero Kw	Jahn, R.	12/11/ 61	U
CNLM-3950	Materials Progress Report for December 1961	Kelly, K. Rowe, G.	1/15/62	CRD
CNLM-3951	Preliminary Reactor Shield Specifications, PWAR-16 Reactor Experiment	Smolen, J. Zeisser, M.	2/20/62	CRD
CNLM-3951 (Supp. 1)	Preliminary Reactor Shield Specifications, PWAR-16 Reactor Experiment	Zeisser, M.	2/27/62	U
CNLM-3951 (Supp. 2)	Revised LCRE Reactor Shield Specifications	Zeisser, M. Smolen, J.	7/27/62	U
CNLM-3953	AEC Case Number S-18, 162c (A-456) United States Application Serial Number 85, 160 Filed - January 26, 1961	n.a.	1/22/62	SRD
CNLM-3954	PWAR-16 Sweep Gas Systems	Schaefer, R.	1/29/62	U
CNLM-3955	Summary of Liquid Metal Test Hours Experience in Mechanical Metallurgy Laboratory	Stewart, J. Rowe, G.	1/29/62	U
CNLM-3956	Cancellation of Test Program for Evaluation of Start up Source Materials	Bourret, C.	1/29/62	U
CNLM-3957	Tungsten Seal Welding Procedure for Initial Closure	Doughty, C.	2/8/62	U
CNLM-3958	Office Action for Applicant Bruce M. Johnson, Serial Number 72, 798, Filed November 30, 1960	n.a.	1/26/62	SRD
CNLM-3959	Draft Copies of Program Cost Estimates (5 Pages)	n.a.	1/30/62	CRD
CNLM-3960	Program Cost Estimate Contract AT(30-1)-2789 for Period Fiscal Years 1962-1964	n.a.	2/8/62	CRD
CNLM-3960 (Rev. 1)	Program Cost Estimate for Period Fiscal Years 1962-1964 Contract AT(30-1)-2789	n.a.	4/13/62	CRD

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CNLM-3960 (Rev. 2)	Program Cost Estimate Contract AT(30-1)-2789 for Period Fiscal Years 1962-1964	n.a.	6/1/62	CRD
CNLM-3961	Construction of Two Test Rigs for the Fuel Element Hot Soak Test	O'Brien, R.	2/8/62	CRD
CNLM-3962	Construction of Four Test Rigs for the Pipe Static Test	O'Brien, R.	2/8/62	CRD
CNLM-3963	PWAR-16 Development and Reactor Fabrication and Procurement Analysis per FSK 12800	n.a.	2/8/62	CRD
CNLM-3964	Preliminary Design Require- ments for the Test Rig, Clean Room, and Auxiliary Equipment for the PWAR 16 Initial Loading and Pretest Physics Measurements	Crume, E.	2/9/62	U
CNLM-3965	Materials Progress Report for January 1962	Kelly, K.	2/8/62	CRD
CNLM-3966	Equipment Request for Jacket Heat Transfer Test	Plevyak, T.	2/16/62	U
CNLM-3967	Instrumentation Request for Jacket Heat Transfer Test	Plevyak, T.	2/16/62	CRD
CNLM-3968	Technical Discussion at ORNL	Dytko, E. Raring, L.	2/16/62	CRD
CNLM-3969	Pump Sweep Gas Test Rig, Stand X-547	Daddario, A.	2/8/62	U
CNLM-3970	Design Criteria for the PWAR- 16 Reactor Control System	Bourret, C.	2/19/62	CRD
CNLM-3971	Cb-W-Hf Stress Rupture Test	Delgrosso, E. Carlson, C.	2/9/62	CRD
CNLM-3972	NT-16 Powerplant Performance Characteristics Summary for Saunders-Roe Princess Airplane	Gray, W.	2/19/62	CDI
CNLM-3973	NT-17 Powerplant Performance Characteristics Summary	Gray, W.	2/20/62	CDI
CNLM-3974	PWAR-16 Columbium Clad Thermo- couple Attachments and Jacket Pass Throughs	Dytko, E.	2/16/62	U

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CNLM-3974 (Supp. 1)	PWAR-16 Level Probe Pass-throughs	Dytko, E.	2/16/62	U
CNLM-3975	Application to Remove from Accounting Records Unrecoverable SS Materials. Station MPW Number 3-2-9-62 MPW	n.a.	2/22/62	CRD
CNLM-3976	Justification of Sole Source for Fuel Element Material	Freed, M.	2/14/62	CRD
CNLM-3977	PWAR-16 Experiment Installation at N.R.T.S.	Dytko, E.	2/16/62	U
CNLM-3978	Preliminary Design Requirements for the Clean Room for the PWAR-16 Initial Loading and Pre-test Physics Measurements	Crume, E.	2/27/62	U
CNLM-3979	Redesign of the Hot Pipes Cycling Test (TLJ-100865)	O'Brien, R.	2/27/62	CRD
CNLM-3980	Status of PWAR-16 Reactor Program Schedule as of February 1, 1962	Banach, H.	2/19/62	CRD
CNLM-3980 (Supp. 1)	Status of PWAR-16 Reactor Program Schedule as of March 1, 1962	Banach, H.	3/19/62	CRD
CNLM-3980 (Supp. 2)	Summary of Work Behind Schedule as of April 1, 1962	Banach, H.	4/17/62	CRD
CNLM-3980 (Supp. 3)	Summary of Work Behind Schedule as of June 1, 1962 LCRE Program	Banach, H.	6/26/62	U
CNLM-3981	The Thermal Expansion of Beryllium Oxide Plus 50 or 35 Volume Percent Uranium Dioxide	Harrington, L.	3/7/62	CRD
CNLM-3982	Inpile Fuel Capsule Temperature History	Ackermann, W. Parks, A.	2/27/62	CRD
CNLM-3983	Request for Scrap Recovery and Reprocessing Services. Number 4-2-13-62 MPW	n.a.	2/16/62	CRD
CNLM-3984	Request for Scrap Recovery and Reprocessing Services Number 5-2-15-62	n.a.	2/16/62	U

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CNLM-3985	Changes to Inpile Capsule Design	Freed, M.	2/16/62	CRD
CNLM-3986	Presentation to Col. W. A. Tesch on February 12, 1962	n.a.	2/20/62	CRD
CNLM-3987	Charts for Presentation to Capt. E. Bauser, C. M. Goodman and Col. W. A. Tesch on February 17, 1962	n.a.	2/20/62	CRD
CNLM-3988	Preliminary Report on the CCA-6	Richings, H.	2/23/62	CRD
CNLM-3989	Request for Irradiation of Uranium Carbide Fuel Specimens	Freed, M.	2/27/62	CRD
CNLM-3990	Design Criteria for the PWAR-16 Reactor Safety System	Naples, P.	2/27/62	CRD
CNLM-3992	Chamber Drive Mechanism Design Specifications	Sullivan, D.	3/2/62	U
CNLM-3994	Visit to Battelle Memorial Institute	Freed, M.	3/6/62	CRD
CNLM-3995	Materials Progress Report for February, 1962	Kelly, K.	3/6/62	CRD
CNLM-3996	Preliminary Hazards Report for a Reactor Experiment at NRTS, (PWAR-16 Test)	Crume, E.	3/7/62	U
CNLM-3996 (Supp. 1)	Revised Schedule on LCRE Preliminary Hazards Report	Crume, E.	4/30/62	U
CNLM-3997	Thermal Flux Depression in PW 26 Series Capsules	Felber, F.	3/7/62	U
CNLM-3997 (Supp. 1)	Errata to CNLM-3997	Felber, F.	3/19/62	U
CNLM-3999	This is a Summary of the High Temperature Materials Review Held at AEC, Washington on February 27 and 28, 1962	Raring, L.	3/6/62	CRD
CNLM-4000	Uranium Nitride Inpile Irradiation Program	Miller, A.	3/8/62	CRD

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CNLM-4001	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	U
CNLM-4002	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	U
CNLM-4003	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	U
CNLM-4004	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	U
CNLM-4005	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	U
CNLM-4006	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	CRD
CNLM-4007	Request for Scrap Recovery and Reprocessing Services-Enriched Uranium	n.a.	3/8/62	CRD
CNLM-4008	Operational Requirements for the PWAR-16 Control Console	Crume, E.	3/14/62	U
CNLM-4009	Charts Shown in Presentation by L. M. Raring at High Temperature Materials Review AEC Headquarters, Washington, D.C. February 27-28, 1962	n.a.	3/9/62	CRD
CNLM-4010	Proposed Clean Shop and Welding Room, Building 607, NRTS	Macfarlane, D.	3/19/62	U
CNLM-4011	The Effects of Non-metallic Impurities in Cb-1 Zr Alloy on its Interaction with Lithium	Schenck, G.	3/12/62	CRD
CNLM-4012	Continental Sensing, Inc. Nichrome V, Heater Test	Mattrella, U.	3/20/62	U
CNLM-4013	SNAP-50 Reactor and Primary System Phase I Work Program List of Tasks	Dytko, E.	3/12/62	CRD

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CNLM-4014	RPO 846448	Darrah, J.	3/13/62	SRD
CNLM-4015	Proposed Phase I Work Program for the SNAP-50 Reactor and Primary System	n.a.	3/22/62	CRD
CNLM-4015 (Rev. 1)	Proposed Phase I Work Program for the SNAP-50 Reactor and Primary System	n.a.	3/23/62	CRD
CNLM-4015 (Rev. 2)	Proposed Work Program for the SNAP-50 Reactor and Primary System	n.a.	3/27/62	CRD
CNLM-4016	Instrumentation for Determining Argon and Helium Purity	Limoncelli, E.	3/19/62	U
CNLM-4017	PWAR-16 Cryogenic Trap System	Patenaude, R.	4/12/62	U
CNLM-4018	Design Requirements for PWAR-16 Chamber Check - Source Drive Mechanisms	Sullivan, D.	3/27/62	U
CNLM-4019	Anderson Letter of 3/14/62 Re: AEC S-26, 245 (A-730) - Craig, R. A.	James, R.	3/22/62	SRD
CNLM-4020	Proposed Work Program for the SNAP-50 Reactor and Primary System Fiscal Years 1962 and 1963	n.a.	3/20/62	CRD
CNLM-4021	Quarterly Progress Report January-March, 1962	Kelly, K.	3/28/62	CRD
CNLM-4022	PWAR-16 Fuel Element Development Program	Strough, R.	3/27/62	CRD
CNLM-4023	Dimensions and Materials Pertinent to the Fuel Element Test Facility	Walsh, V.	3/28/62	CRD
CNLM-4024	The PWAR-16 Heat Exchanger Experiment	Holtsinger, C.	3/29/62	CRD
CNLM-4025	Requirement for Gas Purity Instrumentation	Doak, R.	4/2/62	CRD

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CNLM-4026	Budget Estimate for Fiscal Year 1964 Contract AT (30-1)-2789	n.a.	4/19/62	CRD
CNLM-4026 (Rev. 1)	Budget Estimate for Fiscal Year 1964 Contract AT(30-1)-2789	n.a.	5/25/62	CRD
CNLM-2047	Schedule 26 to 1964 Budget Estimate Contract AT(30-1)-2789	n.a.	4/19/62	CRD
CNLM-4028	Sprayed Coating Compatibility	Owings, J.	4/2/62	CRD
CNLM-4029	Activation Dose Rates from System Components	Smolen, J.	4/5/62	CRD
CNLM-4030	Static Switching of Three Phase Generators	Marsh, J.	6/11/62	U
CNLM-4031	Installation Requirements of Additional Instrumentation for the Heat Exchanger Hot Flow Test	Overman, A.	4/10/62	U
CNLM-4032	Uranium Carbide Program for SNAP-50	Darrah, J.	4/5/62	CRD
CNLM-4033	Presentation to Mr. George C. Szego, dated March 6, 1962	n.a.	4/10/62	CRD
CNLM-4034	Materials Progress Report for March, 1962	Kelly, K.	4/10/62	CRD
CNLM-4035	Allocation of Jacket and Baffle Materials Ordered on Release DOAK-14	Doak, R.	4/12/62	CRD
CNLM-4036	Design of the Test Rig and Clean Room for the PWAR-16 Initial Loading and Pre-test Physics Measurements	Crume, E.	4/17/62	U
CNLM-4037	Requirements for PWAR-16 Reactor Experiment (LCRE)	Dytko, E.	4/11/62	CRD
CNLM-4038	Inpile Capsule - Fuel Burnup Estimating Curves	Parks, A.	4/24/64	U
CNLM-4038 (Supp. 1)	Inpile Capsule-Fuel Burnup Estimating Curve	Parks, A.	7/17/62	U

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CNLM-4039	Construction of a Vapor Trap Test	Donnelly, E.	4/24/62	U
CNLM-4040	Status Summary of the Uranium Carbide Development Program and a Forecast of Anticipated Progress for the Balance of the Current Fiscal Year and Fiscal Year 1963	Strough, R.	4/17/62	SRD
CNLM-4041	PWAR-16 Fuel Element Development Program	Strough, R.	4/18/62	CRD
CNLM-4042	Preliminary Instrumentation, Control and Safety Requirements for the PWAR-16 Fuel Loading and Pre-test Physics Measurements	Crume, E.	4/24/62	U
CNLM-4042 (Supp. 1)	Preliminary Instrumentation, Control and Safety Requirements for the LCRE Fuel Loading and Pre-test Physics Measurements	Crume, E.	10/8/62	U
CNLM-4043	Design Criteria for Lithium-Cooled Reactor Experiment (LCRE) at NRTS	Hedden, D.	4/30/62	U
CNLM-4043 (Rev. A)	Design Criteria for Lithium-Cooled Reactor Experiment (LCRE) at NRTS	Hedden, D.	9/21/62	U
CNLM-4044	Inpile Capsule Braze Development	Parks, A.	4/23/62	CRD
CNLM-4045	Thermal Flux Depression in PW 26 Series Capsules	Parks, A.	5/2/62	CRD
CNLM-4046	Shipping Assemblies - Liquid Metal Components, Reactor, Primary System and Reflector Cooling System	Parks, G.	4/30/62	CRD
CNLM-4047	LCRE Support Structure	Bigelow, C.	5/1/62	U
CNLM-4048	Design Changes to Busbar Supports for Hot Flow Test	Meck, H.	5/1/62	U

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CNLM-4049	Excerpts from CNLM-3872; CNLM-366, Rev. 1; MPR-61- 11-1; MPR 61-12-1; MPR-62- 1-1 and MPR 62-2-1	n.a.	4/24/62	CRD
CNLM-4050	Microprobe Analysis of UC-Cb Compatibility Test C-20-8	Manzione, A.	4/25/62	CRD
CNLM-4051	Compatibility Study of Uranium Carbide with Cb-1 Zr. Test Number C20-8	Fassler, M.	4/25/62	CRD
CNLM-4052	Power Clarification and Re- vision for Alkali-metal Forced-flow Vaporization- Condensation Rig	Petrek, J.	4/26/62	U
CNLM-4053	Design Requirements for Alkali- metal Forced-flow Vaporization- condensation Rig	Bernstein, E.	4/26/62	U
CNLM-4054	Requirement for a Calcium Inhibitor Purification System for Secondary Loop, Heat Exchanger Hot Flow Test	Randall, D.	5/1/62	U
CNLM-4055	Allocation of Columbium Foil Ordered on Release DOAK-27	Doak, R.	11/8/62	U
CNLM-4056	Water Boiling-condensing Visualization Test	Petrek, J.	5/10/62	U
CNLM-4057	Haynes 25 Raw Material Re- quirement for Alkali-metal Vaporization-condensation Rig	Petrek, J.	5/8/62	U
CNLM-4059	Alkali-metal Electromagnetic Pump 1.5 GPM Requirement	Petrek, J.	5/8/62	U
CNLM-4060	Alkali Metal Forced-flow Vaporization Condensation Rig	Bernstein, E.	5/4/62	U
CNLM-4061	Facilities and Instrumentation Requirements for Alkali Metal Forced Flow Vaporization Con- densation Rig (SNAP-50 Program)	Bernstein, E.	5/8/62	U

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CNLM-4062	Review of Position Re Essential Design Data	Strough, R.	4/30/62	CRD
CNLM-4063	Results of Long-time Corrosion Loop Tests	n.a.	4/30/62	CRD
CNLM-4064	Facilities Requirements for Alkali-metal Forced-flow Vaporization-condensation Rig	Bernstein, E.	4/30/62	U
CNLM-4065	Materials Progress Report for April, 1962	Treciokas, V.	5/3/62	CRD
CNLM-4066	Supplements to Fusion Welding Specifications	Nassau, J.	5/4/62	U
CNLM-4067	Physical Properties of Beryllium	Harrington, L.	6/13/62	U
CNLM-4068	SNAP-50 Reference Requirements	Gaffin, W.	5/11/62	CRD
CNLM-4069	Inpile Capsule Brazing	Doyle, J.	5/3/62	CRD
CNLM-4070	Pickup of Interstitial Elements during Tubing Fabrication	McGrath, D.	5/8/62	U
CNLM-4071	Application of Penetration Theory to Radiator Design	d'Arcy, R.	5/24/62	U
CNLM-4072	SNAP-50 Critical Experiment Parametric Studies	Rotondo, C.	5/8/62	CRD
CNLM-4073	Request for Shield Data for the SNAP-50 Powerplant	Perry, P.	5/4/62	CRD
CNLM-4074	Outline of Test Program Oriented Towards Early Optimization of Space Power Boiler Tube Geometry and Length	Bernstein, E.	6/12/62	U
CNLM-4076	The Use of Cb-1 Zr Alloy in the Structural Design of the LCRE	Wray, R.	6/11/62	CRD
CNLM-4077	Request for Boiler Data for the SNAP-50 Powerplant	Perry, P.	5/15/62	CRD
CNLM-4078	A Summary of Recent High Temperature Fuel Research and Development	n.a.	5/14/62	CRD

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CNLM-4079	Review of Report AN-392 Entitled "SPUR Phase I Final Report, Part III, Reactor Loop Design Analysis"	Strough, R.	5/8/62	SRD
CNLM-4080	Results of Meeting on May 2, 1962 Concerning Procurement of Borated Barytes Concrete Shield Blocks	Banach, H.	5/15/62	U
CNLM-4081	Comments on Classification Guide CG-RHT-1	Gaffin, W.	5/8/62	CRD
CNLM-4082	Presentation to the Atomic Energy Commission May 14, 1962. The SNAP-50 Reactor Develop- ment Program-Summary	Strough, R.	5/9/62	CRD
CNLM-4085	Preliminary SNAP-50 Reactor Weight Parametric Study	Luvisi, F.	5/28/62	CRD
CNLM-4086	Space Boiler Considerations	Kardys, C.	5/23/62	U
CNLM-4087	Revision to LCRE Program	Dytko, E.	5/22/62	CRD
CNLM-4089	Meteoroid Shield Weights for SNAP-50 Powerplant	d'Arcy, R.	5/28/62	CDI
CNLM-4090	Controlled Atmosphere Sinter- ing of Uranium Nitride	Craig, R.	5/16/62	CRD
CNLM-4092	Refractory Metals as Alkali Liquid Metal Containment Materials	Cleary, R.	6/19/62	U
CNLM-4094	Alkali Metal Physical Prop- erties Program at Pratt & Whitney Aircraft-CANEL	Kapelner, S.	10/30/63	U
CNLM-4095	Cathodic Vacuum Etching of Columbium Base Alloys	Niro, J.	8/17/62	U
CNLM-4096	Alternate Design on Model #001-022, WO #302011	Vitali, V.	5/23/62	CRD
CNLM-4097	CS-1836C	Rowe, G.	5/22/62	U
CNLM-4098	Thermal Conductivity, Elec- trical Resistivity, and Thermal Expansion of Borated Graphite	Jones, R.	5/23/62	U

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CNLM-4099	Preliminary Development Plan SNAP-50 Reactor and Primary System	n.a.	6/18/62	CRD
CNLM-4100	Preliminary Development Plan for SNAP-50 Powerplant	n.a.	6/18/62	CRD
CNLM-4101	Proposed LCRE Physics Test Program Following Installation at the NRTS	Tedesco, R.	6/4/62	CRD
CNLM-4102	Compatibility Study of Uranium Carbide with Cb-1 Zr. Test Number C10-6	Fassler, M.	5/21/62	CRD
CNLM-4103	Lithium Filled Radiator Chemical Heating Requirements	Rencenberger, R.	5/31/62	U
CNLM-4104	L.M. Compatibility Test Inpile Capsule Braze Alloy	Doyle, J.	5/21/62	CRD
CNLM-4105	Meteoroid Protection	Turner, G.	5/28/62	U
CNLM-4106	Manpower and Equipment Requirements for SNAP-50	Stewart, J.	5/21/62	CRD
CNLM-4107	Investigate Cracking in Head Bosses Adjacent to End Cap Welds and Defective Replacement End Cap	Doughty, C.	7/27/62	U
CNLM-4108	Color Code Standardization Indicator Light	Anderson, R.	6/4/62	U
CNLM-4109	Trip to AiResearch and Aerojet General Nucleonics	Dytko, E.	5/29/62	U
CNLM-4110	The Formation of a Zinc Oxide-Columbium Pentoxide Spinel	Delgrosso, E.	6/12/62	U
CNLM-4111	EB Insert Weld Preparation	Rowe, G.	5/28/62	U
CNLM-4112	May 15, 16 and 17 Visits with A.I., JPL, and RAND	Perry, P.	5/28/62	CRD
CNLM-4113	LCRE Gearbox Design Changes	Shuford, S.	5/24/62	CRD
CNLM-4114	Proposal for Gas Purification, System Preparation, and Gas Analysis in the LCRE Test	Limoncelli, E.	6/11/62	U

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CNLM-4115	Discussion of Reliability at Atomics International	Turner, G.	6/19/62	CRD
CNLM-4117	Forging Drawings	Rowe, G.	6/12/62	U
CNLM-4118	Comparison of a Rankine Cycle and Brayton Cycle Space Powerplant	Perry, P.	6/1/62	CRD
CNLM-4119	Topical Technical Reports	Kelly, R.	5/31/62	CRD
CNLM-4120	Fuel Burnup Analysis Report	Kahn, M.	6/4/62	CRD
CNLM-4121	"J" and "I" Probes for Non- Nuclear Systems Test	Ford, J.	6/12/62	U
CNLM-4122	Materials Progress Report for May, 1962	Treciokas, V.	6/4/62	CRD
CNLM-4123	Agreements Reached on Control Console Design at Meeting on May 31, 1962	Bourret, C.	6/11/62	U
CNLM-4124	Visit to Battelle Memorial Institute of May 4, 1962	Freed, M.	6/4/62	CRD
CNLM-4125	Results of Recent Critical Experiments and Comments on Analytical Methods	Kennedy, W.	6/4/62	CRD
CNLM-4126	High Temperature Testing of Li Corrosion Test System, Li and NaK Pumps, Vapor Traps, and Liquid-to-liquid Heat Exchangers	Kelly, R.	6/5/62	CRD
CNLM-4127	Notes Pertaining to Vu-Graphs	Strough, R.	6/5/62	CRD
CNLM-4128	LCRE Shield Evaluation Program at the NRTS	Tedesco, R.	7/6/62	U
CNLM-4129	Request for an Analog Study of the Temperature Distribution in the Harmonic Drive of the LCRE	Alessandro, L.	6/11/62	U
CNLM-4129 (Supp. 1)	Supplement to CNLM-4129	Alessandro, L.	9/6/62	U
CNLM-4130	Shield Weight Dependence on Reactor and System Variables for SNAP-50 Design	Woodsum, H.	6/19/62	CRD

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CNLM-4131	Agreements Reached at a Meeting on Process Systems Section of the LCRE Control Console Held June 4, 1962	Bourret, C.	6/11/62	U
CNLM-4132	SNAP-50 Rankine Cycle Nuclear Electric Space Powerplant Preliminary Optimization	Daum, N.	6/13/62	CRD
CNLM-4133	Engineering Operational Information for the Non-Nuclear Systems Test	Ford, J.	6/18/62	U
CNLM-4133 (Adden. C)	Engineering Operations Information for the Non-Nuclear Systems Test	Overman, A.	12/3/62	U
CNLM-4134	Proposal for a Design Study of a Pump and Drive for Argonne National Laboratory	n.a.	6/8/62	CRD
CNLM-4135	Revision of SNAP-50 Reference Fuel Irradiation Test Program	Bigelow, C.	6/13/62	CRD
CNLM-4136	CANEL Classification Guide, NYOO	Holtsinger, C.	6/18/62	CRD
CNLM-4138	Modification of Vapor Trap Test	Donnelly, E.	6/25/62	U
CNLM-4141	Radiator Heating System	Rencenberger, R.	6/19/62	CRD
CNLM-4142	The Battelle Irradiation Test Program	Raring, L.	6/17/62	CRD
CNLM-4143	Materials Meeting, June 13, 1962	Stewart, J.	6/25/62	U
CNLM-4143 (Supp. 1)	Materials Meeting, July 3, 1962	Stewart, J.	7/27/62	CRD
CNLM-4143 (Supp. 2)	Materials Meeting, July 24, 1962	Stewart, J.	8/6/62	CRD
CNLM-4143 (Supp. 3)	Materials Meeting, November 7, 1962	Stewart, J.	11/23/62	CRD
CNLM-4143 (Supp. 4)	Materials Meeting, November 14, 1962	Stewart, J.	11/30/62	CRD
CNLM-4143 (Supp. 5)	Materials Meetings: December 28, 1962; January 9, January 16, January 23, and January 30, 1963	Stewart, J.	2/20/63	CRD

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CNLM-4144	Microprobe Analysis of UC-Cb Compatibility Tests C-10-6, C-30-1, C-30-2	Manziona, A.	6/25/62	CRD
CNLM-4145	Microprobe Analysis of UC-Cb Compatibility Test C-30-3	Manziona, A.	6/25/62	CRD
CNLM-4147	Materials and Engineering Data Required for a SNAP-50 Reactor Concept	Bigelow, C.	8/14/62	CRD
CNLM-4148	LCRE Electrical Power Requirements	Dytka, E.	7/13/62	CRD
CNLM-4148 (Supp. 1)	LCRE Electrical Power Requirements	Reed, I.	6/10/63	U
CNLM-4149	Presentation by E. R. Dytka, L. M. Raring, R. M. Meyer and C. E. Holtsinger, Jr. to United States Atomic Energy Commission June 20, 1962	n.a.	7/9/62	CRD
CNLM-4150	Pipe Weights for Primary Loop	Daum, N.	7/6/62	CRD
CNLM-4151	Optimum Pipe Weights for Radiator Loop	Daum, N.	7/6/62	CDI
CNLM-4152	SNAP-50 Fuel Irradiation Program	Freed, M.	6/27/62	CRD
CNLM-4152 (Rev. 1)	SNAP-50 Fuel Irradiation Program	Freed, M.	11/6/62	CRD
CNLM-4153	Out-gassing of Thermocouples Prior to Welding	Holmes, R.	7/6/62	U
CNLM-4154	Reactor Cost and Weight Information for Army Reactors Branch	Holtsinger, C.	6/26/62	CRD
CNLM-4155	SNAP-50 Project Meeting, June 25, 1962	Gaffin, W.	7/6/62	CRD
CNLM-4156	Secrecy Order on Cermet Bearing and Seal Material, Patent Application Serial No. 113, 565, Project No. A-638	Holtsinger, C.	7/6/62	CDI
CNLM-4157	Review of Classification Guide NYO 10124	Holtsinger, C.	6/29/62	CRD

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CNLM-4158	Copies of Vugraphs Used by C. E. Holtsinger, Jr. Presentation to United States Atomic Energy Commission June 20, 1962	n.a.	6/28/62	CRD
CNLM-4159	Hot Hardness of Uranium Mononitride	Jones, R.	8/6/62	U
CNLM-4161	Report Evaluation - Raw Materials Vendor	McBride, V.	7/10/62	U
CNLM-4162	Quarterly Progress Report April - June, 1962	Kelly, K.	7/3/62	CRD
CNLM-4163	Progress Report for June, 1962	Owings, J.	7/2/62	CRD
CNLM-4164	Color Code W-5 Re/W-26 Re	Bliss, P.	7/6/62	U
CNLM-4165	Structural Modification of Welding Tank No. 6 to Eliminate Excessive Distortion of the Tank Floor	Smith, L.	7/17/62	U
CNLM-4166	Cost Breakdown from the SNAP-50 Ground Prototype Test	Strough, R.	7/3/62	CRD
CNLM-4167	SNAP-50 System Basic Requirements	Gaffin, W.	7/27/62	CRD
CNLM-4167 (Rev. 1)	SNAP-50 System Basic Requirements	Gaffin, W.	8/15/62	U
CNLM-4168	SNAP-50 Reference Requirements	Murphy, J.	7/27/62	CRD
CNLM-4169	Primary, Secondary and Reflector Pump Program	Milich, J.	7/5/62	CRD
CNLM-4171	Summary Monthly Progress Report	Kelly, K.	6/19/62	CRD
CNLM-4174	Amendment to Application of Martin H. Cooper Series No. 85, 160, filed January 26, 1961, For: Combination Moderator-Fuel Element	Cooper, M.	7/9/62	CRD
CNLM-4175	Program Review for U.S. Atomic Energy Commission 7/11/62	n.a.	7/11/62	CRD

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CNLM-4176	SNAP-50 System Analysis, Powerplant Weight for Variations of Reactor Exit Temperature, Turbine Efficiency, Turbine Inlet Quality, and Degrees of Superheat	Daum, N.	7/27/62	CRD
CNLM-4177	SNAP-50-DR-1 Reference Conditions	Perry, P.	7/17/62	CRD
CNLM-4178	Mechanical Properties Data for Cb-1 Zr Alloy. Three Areas of Interest (1) Rupture, (2) Creep and (3) Design Limit	Stewart, J.	7/27/62	CRD
CNLM-4179	Statement of Work LCRE and SNAP-50-DR-1 Programs October 1, 1962 - September 30, 1963	n.a.	8/1/62	CRD
CNLM-4179 (Rev. 1)	Statement of Work - LCRE and SNAP-50-DR-1 Programs October 1, 1962 - September 30, 1963	n.a.	2/12/63	CRD
CNLM-4180	Statement of Work Advanced High Temperature Materials Program for October 1, 1962 - September 30, 1963	n.a.	7/31/62	CRD
CNLM-4181	Alarm Light Colors	Sandin, E.	7/27/62	U
CNLM-4182	Notes Pertaining to Vu-graph P-5-38	Strough, R.	7/16/62	CRD
CNLM-4183	Evaluation of Sodium, Potassium, Rubidium and Cesium as Working Fluids in a 1-Mwe Rankine Space Powerplant	d'Arcy, R.	8/3/62	U
CNLM-4184	In Re Application of Bruce M. Johnson, Serial No. 72, 798 Filed November 30, 1960 for: Process for Fabrication of Stoichiometric Uranium Monocarbide	n.a.	7/17/62	CRD
CNLM-4185	Elements for Cold Critical Studies	Lomerson, E.	7/19/62	CRD
CNLM-4186	Design of Boiling Potassium Test Loop, NKSS-A	Randall, D.	7/27/62	U

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CNLM-4187	Statement of Work to be Furnished by: Nuclear Materials and Equipment Company Apollo, Pennsylvania	n.a.	7/27/62	CRD
CNLM-4188	Letter with Attached "Physics Mock Up of a Typical SNAP-50 Reactor System"	Smolen, J.	7/30/62	CRD
CNLM-4188 (Supp. 1)	Describe the Information Needed to Mock Up the SNAP-50 Powerplant for Calculations of Neutron Scattering from a Heat Rejection Radiator	Smolen, J.	8/31/62	CRD
CNLM-4189	Pipe Weights for a Power Conversion Loop	Daum, N.	9/6/62	CDI
CNLM-4190	Design Criteria for Reactor Test Support Facility at NRTS	MacFarlane, D.	9/21/62	U
CNLM-4191	Compatibility of Candidate Bearing and Seal Materials with Lithium	Schenck, G.	7/27/62	CRD
CNLM-4192 (Supp. 2)	LCRE Shipping - Tractor-Trailer Tests	Banach, H.	9/21/62	U
CNLM-4192 (Supp. 3)	LCRE Shipping - Special Container for Shipping the Primary Pumping Unit	Dytko, E.	9/21/62	U
CNLM-4193	Cost Estimating Procedures Used in CNLM-4099 and CNLM-4100, Issued August 24, 1962	n.a.	8/30/62	CRD
CNLM-4194	Instrumentation Requirements for Boiling Potassium Loop, NKSS-A	Randall, D.	8/6/62	U
CNLM-4195 (Rough Draft)	Recommended Changes to Classification Guide NYO-10124	Meyer, R.	7/31/62	CRD
CNLM-4196	Test Stand Requirements for Boiling Potassium Test Loop, NKSS-A	Randall, D.	8/6/62	U
CNLM-4197	Design and Testing of Columbium-1 Zirconium Reactor Pressure Vessels	Bigelow, C.	8/8/62	CRD
CNLM-4198	Report of Raw Material Evaluation - Stauffer Metals Division	McBride, V.	8/14/62	U

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CNLM-4199	Annual Transfers and Returns of Special Nuclear Material Project Title: Lithium Cooled Reactor Program Project Number: NYO 44002-01-1	n.a.	8/1/62	CRD
CNLM-4200	Summary Monthly Progress Report July, 1962	Kelly, K.	8/2/62	CRD
CNLM-4201	Summary of LCRE Intermediate Power Case Forging Program at Wyman Gordon	Doughty, C.	9/21/62	U
CNLM-4202	Review of Classification Guide NYO 10124	Dytko, E.	8/2/62	CRD
CNLM-4203	Request for Proposals for Design of Cryogenic Trap System (LCRE)	Dytko, E.	8/2/62	U
CNLM-4203 (Supp. 1)	Addendum to Preliminary Design Specification for LCRE Cryogenic Trap System	n.a.	8/31/62	U
CNLM-4204	Document on Recommended Changes to Classification Guide NYO-10124	Meyer, R.	8/2/62	CRD
CNLM-4205	Upgrading of Memorandum, E.R. Dytko to W. Doll, dated 7/11/62	Doll, W.	8/6/62	CDI
CNLM-4206	Elements for Cold Critical Studies	Lomerson, E.	8/6/62	CRD
CNLM-4207	LCRE Reflector Assembly	Rowe, G.	8/8/62	CRD
CNLM-4208	Power Transfer Column Components	Lomerson, E.	8/6/62	CRD
CNLM-4209	SNAP-50 Primary Pump Requirements	Murphy, J.	8/8/62	CRD
CNLM-4210	Electrical Resistivity of Zirconium Carbide and of ZrC-HfC (50 Atomic Per Cent)	Harrington, L.	8/9/62	U
CNLM-4211	Weldability of ALSI 405 Stainless	Doyle, J.	8/31/62	U
CNLM-4212	Anderson Letter of July 20, 1962 Re: Projects A-730, A-744 and A-764	James, R.	8/10/62	SRD

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CNLM-4213	Recommended Changes to Classification Guide NYO 10124, Dated May 22, 1962	n.a.	8/21/62	CRD
CNLM-4214	Concrete Wall Penetration LK 101618	Murphy, D.	9/6/62	U
CNLM-4215	SNAP-50 Specific Weight Study	Daum, N.	8/30/62	CRD
CNLM-4215 (Supp. 1)	SNAP-50 Specific Weight Study	Daum, N.	9/17/62	CRD
CNLM-4216	Presentation to the AEC-USAF-NASA Working Group on Advanced Space Power Technology	n.a.	8/20/62	CRD
CNLM-4217	Meeting Called by Pete Bolan at East Hartford on Friday, August 17, NASA \$1.00 Contract for Rankine Space Powerplant Study	Horan, J.	8/22/62	CDI
CNLM-4219	Preheating Requirements for Boiling Potassium Test Loop, NKSS-A	Randall, D.	9/6/62	U
CNLM-4220	SNAP-50 Radiator Configuration	Rencenberger, R.	8/31/62	CDI
CNLM-4221	Standard Chromel-Alumel Thermocouple Drawings	Shea, T.	9/6/62	U
CNLM-4224	Component Data Required for 300 Kwe System Analysis	Perry, P.	8/30/62	CRD
CNLM-4225	A Summary of Metallographic Studies and Uranium Isotopic Analysis of Irradiated Uranium-Yttrium Alloys	Scotti, V.	10/8/62	U
CNLM-4226	SNAP-50 Power Generating and Conditioning System Contract AT (30-1)-2789	Criso, A.	9/17/62	CDI
CNLM-4228	Enclosed Three Copies of CNLM-4167 and CNLM-4168 Which Contain our Latest SNAP-50 System Design Requirements Contract AT (30-1)-2789	Meyer, R.	8/31/62	CRD
CNLM-4229	Transmittal Letter Dated August 31, 1962 to C. E. McColley from W. Doll (UWD)	Doll, W.	9/4/62	CRD

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CNLM-4230	Request for Electric Analog Study to Determine the Average Thermal Conductivity of a Reactor Core Section Contract AT (30-1)-2789	Fultonberg, D.	9/17/62	CRD
CNLM-4231	Microprobe Analysis of UC vs W Compatibility Couple P-103 Contract AT (30-1)-2789	Manziona, A.	9/6/62	CRD
CNLM-4233	Standardization of Wire and Cable for use in the LCRE Test Cell Contract AT (30-1)-2789	Patenaude, R.	9/24/62	U
CNLM-4234	The Thermal Expansion of Five Titanium Carbide Cermets from 68 to 1800F	Harrington, L.	9/21/62	U
CNLM-4235	Difficulties Encountered in Determining Acceptability of the Helium Systems in the Non-Nuclear System Test Contract AT (30-1)-2789	Spinnler, R.	9/21/62	U
CNLM-4236 (Rough Draft)	Data on Questions for W. Doll Contract AT (30-1)-2789	n.a.	9/7/62	CRD
CNLM-4237	Forecast of Special Nuclear Material Requirements - U-235 for Period 1/1/63 - 12/31/63	n.a.	9/7/62	U
CNLM-4238	Forecast of Special Nuclear Material Requirements - U-235 for Period 1/1/63 - 12/31/63 Contract AT (30-1)-2789	n.a.	9/7/62	U
CNLM-4239	Forecast of Special Nuclear Material Requirements - Pu for Period 1/1/63 - 12/31/63 Contract AT (30-1)-2789	n.a.	9/7/62	U
CNLM-4240	Forecast of Special Nuclear Material Requirements - U-233 for Period 1/1/62 - 12/31/63 Contract AT (30-1)-2789	n.a.	9/7/62	U
CNLM-4241	Columbium Oxide Scale Thickness and Depth of Nitrogen and Oxygen Contamination for Cb-1 Zr Annealed at 2300F in Air Contract AT (30-1)-2789	Watson, W.	10/8/62	U

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CNLM-4242	Substitution of Co-extruded Joints Contract AT (30-1)-2789	Means, H.	9/17/62	U
CNLM-4243	Standard Tungsten-Rhenium Thermocouple Drawings Contract AT (30-1)-2789	Shea, T.	9/17/62	U
CNLM-4244	A Bendix Program for Two- Dimensional Effective Stress	Oslick, H.	9/24/62	U
CNLM-4245	Progress Report - Ingot Evaluation	McBride, V.	9/17/62	U
CNLM-4245 (Supp. 1)	Report of Raw Material Evalua- tion Temescal Metallurgical Corporation	McBride, V.	10/22/62	U
CNLM-4246	Glass Sealed Ends for Thermo- couple and "J" and "I" Level Probes	Means, H.	9/17/62	U
CNLM-4247	Atmospheric Jacketing of I ² R Heater for Non-Nuclear Systems Test	Means, H.	9/17/62	U
CNLM-4248	Thermal Analysis of Inpile Con- trol Components Test Units	Hoey, M.	10/16/62	U
CNLM-4250	Redundancy, Reliability, and Meteoroid Protection Calculations	Turner, G.	9/24/62	U
CNLM-4250 (Rev. 1)	Redundance, Reliability and Meteoroid Protection Calcula- tion	Turner, G.	3/18/63	U
CNLM-4251	TRANAL II: An IBM-704 Fortran Code for the Calculation of Reactivity Versus Period from Rod-Drop Experiment	O'Sullivan, E.	9/24/62	U
CNLM-4252	Ultrasonic Test Methods and Techniques for the Inspection of Welds	Muszynski, R.	12/17/62	U
CNLM-4253	The LCRE Heat Exchanger Experiment	Kelly, R.	9/27/62	U
CNLM-4254	Weapon Improvement Patent Disclosure A-784	Craig, R.	9/17/62	SRD
CNLM-4255	SNAP-50 Space Powerplant. (Paper to be Presented by Dr. R. I. Strough on September 27, 1962 to the American Rocket Society)	Strough, R.	9/17/62	CRD

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CNLM-4256	Proposed Work Program for a SNAP-50 UO ₂ Fuel Program	Meyer, R.	9/21/62	CRD
CNLM-4257	Reactor Conceptual Design Studies Applicable to SNAP-50	Levengood, J.	12/17/62	CRD
CNLM-4259	Notes from LCRE Hazards Meeting with AEC, DL & R in Germantown, Maryland, September 12, 1962	Kennedy, W.	10/8/62	CRD
CNLM-4260	Identification of Inpile Capsules, Series PW 26-150, -170, and -190	Freed, M.	9/24/62	CRD
CNLM-4262	IDO Conference on Davis Bacon Applications to LCRE Assembly	Steele, R.	10/8/62	U
CNLM-4263	Recommended Changes to the Classification Guide for CANEL, dated June 4, 1962 (P&WA NYO-10124 Presentation September 25, 1962 at Germantown)	n.a.	9/24/62	CRD
CNLM-4264	Criteria for Evaluating Electric Power Distribution Schemes for the LCRE	Bourret, C.	9/27/62	U
CNLM-4265	Determine Cause of Failure in Valve and Tank	Owings, J.	11/6/62	U
CNLM-4266	Changes to Inpile Capsule Design	Freed, M.	9/27/62	CRD
CNLM-4267	Creep Rupture Data for Cb-1 Zr Alloy	Stewart, J.	9/28/62	U
CNLM-4268	Answers to Questions from AEC D L & R on LCRE Preliminary Safety Analysis Report	n.a.	10/1/62	CRD
CNLM-4269	Proposed Work Program for LCRE and SNAP-50-DR-1 for the Period FY 1963 through 1967	Greene, R.	10/10/62	CRD
CNLM-4270	Proposed Arrangement of UC Prototype Facilities in the Fuel Element Laboratory	Caplow, S.	10/8/62	CRD
CNLM-4271	CANEL Project Materials Research and Development Review	Doll, W.	10/1/62	CRD
CNLM-4272	Time-power-probability Relations of Segmented Space Radiators	Gaffin, W.	10/10/62	U

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CNLM-4273	Quarterly Progress Report July-September 1962	Kelly, K.	10/5/62	CRD
CNLM-4274	Flow of Separator Discharge Fluid Through Nozzles in SNAP-50 Powerplant	Allen, J.	11/9/62	U
CNLM-4275	Trip Report	Perry, P.	10/16/62	U
CNLM-4276	Physical Properties of Hafnium, Uranium, B ₄ D, Gd ₂ O ₃ , LiH, ZrB ₂ , and ZrHx	Harrington, L.	10/16/62	U
CNLM-4277	ARS Space Power Systems Conference Contract	Vassallo, D.	10/16/62	U
CNLM-4278	Inpile Experiment Buildup	Parks, A.	10/5/62	U
CNLM-4278 (Rev. 1)	Inpile Experiment Buildup	Parks, A.	10/23/62	U
CNLM-4279	Vapor Trap for NP-1 Sweep Out Line	Costomiris, G.	10/8/62	U
CNLM-4280	Very High Temperature Irradia- tion Experiment	Miller, A.	10/8/62	CRD
CNLM-4281	Tabulation of Several Cb-W Hf Alloys	Delgrosso, E.	10/9/62	CRD
CNLM-4282	1.625 OD x .083 Wall Pipe	McBride, V.	10/24/62	U
CNLM-4283	Design Specification for LCRE Helium Purification System	Patenaude, R.	10/22/62	U
CNLM-4284	SNAP-50 Radiator Configura- tions	Rencenberger, R.	10/22/62	CRD
CNLM-4285	Changes to Inpile Capsule Design	Terry, W.	10/15/62	CRD
CNLM-4285 (Supp. 1)	Changes to Inpile Capsule Design (Revised Dimensions for Subtype 13D and 13E)	Terry, W.	12/26/62	CRD
CNLM-4286	Comments to Draft of GG-RHTC-1, n.a. "Classification Guide for the High Temperature Compact Reactor Program"		10/15/62	CRD

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CNLM-4287	Proposal for Non-personal Contract Technical Services to National Aeronautics and Space Administration (Proposal No. 564)	Schmickrath, B.	10/19/62	U
CNLM-4288	Proposal for Continuation of a Study of the Behavior of Work-hardening Mechanisms of Body-centered-cubic Metals (Proposal No. 562)	Begg, R.	10/23/62	U
CNLM-4288 (Rev. 1)	Statement of Work - Certificate of Current Cost or Pricing Data	Wilkins, R.	12/18/62	U
CNLM-4289	Fuel Unit Measurements at ORNL	Crume, E.	10/22/62	CRD
CNLM-4290	Tensile and Stress-Rupture Data for Nickel, Refractory Metals and Their Alloys	Watson, W.	11/8/62	U
CNLM-4290 (Supp. 1)	Tensile and Stress-rupture Data for Nickel, Refractory Metals and their Alloys	Watson, W.	11/8/62	U
CNLM-4291	Weights and Volume Fractions for SNAP-50 Reactor Based on Design Study Layout L-101635 Sheet 1	Tedeschi, V.	11/6/62	CRD
CNLM-4292	Proposed Extension of Uranium Carbide Fuel Evaluation under Contract AT (30-1)-2789	Schmickrath, B.	11/6/62	CRD
CNLM-4293	Proposed High-temperature Uranium Nitride Fuel Evaluation Study	Schmickrath, B.	11/16/62	CRD
CNLM-4294	Relocation of LCRE Pressing Area and Installation of SNAP-50 Facilities in Fuel Element Laboratory	Lomerson, E.	10/24/62	U
CNLM-4296	Review of LCRE Design for Containment	Gray, W.	11/7/62	U
CNLM-4297	Summaries of Fuels and Materials Development Program (to be Incorporated in Supplement to TID 6506)	n.a.	10/25/62	CRD

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CNLM-4298	Program for Evaluating the Cavitation Damage Resistance of Refractory Base Alloys	Jones, R.	11/6/62	CRD
CNLM-4298 (Supp. 1)	Coding Designation for Cavitation Damage Specimens	Jones, R.	11/30/62	U
CNLM-4298 (Supp. 2)	Coding Designations for L.M. Cavitation Damage Specimens	Tuzes, A.	3/31/64	CRD
CNLM-4299	Preliminary Request for Irradiation Services (PW-26 Fuel Capsule Type)	n.a.	10/29/62	CRD
CNLM-4300	LCRE Graphite Shield Temperatures ($^{\circ}$ F) - DRAWING	Zeisser, M.	10/29/62	CRD
CNLM-4301	Main Radiator Feed-pipe Pre-heating	Rencenberger, R.	11/7/62	CDI
CNLM-4302	TIM-708 "Data Book on LCRE Reactor Design: Responsibility for-Contract AT(30-1)-2789"	Bigelow, C.	11/6/62	U
CNLM-4303 (Part 1)	Contractural and Cost Proposal for Determining Oxygen, Nitrogen, and Carbon Content in Cesium. Proposal No. 583	Schmickrath, B.	11/26/62	U
CNLM-4303 (Part 2)	Technical Proposal for Determining Oxygen, Nitrogen and Carbon Content in Cesium	Raring, L.	11/26/62	U
CNLM-4304 (Part I)	Contractural and Cost Proposal for Investigation of the Structural Stability of Welds in Two Columbium-base Alloys	Holloway, T.	11/8/62	U
CNLM-4304 (Part II)	Technical Proposal for Investigation of the Structural Stability of Welds in Two Columbium Base Alloys	Raring, L.	11/8/62	U
CNLM-4305	Invitation Bid 182A	Heidel, R.	10/31/62	CRD
CNLM-4305	Invitation to Bid No. 182/182A Classified	n.a.	6/21/63	CRD

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CNLM-4305 (Rev. 1)	Invitation Bid 182A, Supplement #1	Heidel, R.	11/30/62	CRD
CNLM-4305 (Supp. 2)	Invitation to Bid 182A, Supplement #2	n.a.	12/13/62	CRD
CNLM-4306	We Have Reviewed Draft No. 1 of the 'Second Classification Guide for CANEL' and Would Like to Say That it is a Decided Improvement Over the Original Guide...	Meyer, R.	10/31/62	CRD
CNLM-4308	Revised Cost Estimate, Fiscal Year 1964	n.a.	11/2/62	CRD
CNLM-4311	Summary of Recent Uranium Nitride Fuel Research and Development	DeCrescenti, M.	11/9/62	CRD
CNLM-4312	Copies of Figures Used in Presentation to the Atomic Energy Commission at CANEL October 24 and 25, 1962	n.a.	11/6/62	CRD
CNLM-4313	Evaluation of High Temperature Fuels for Reactor Projects Prepared for Presentation at the 15th High Temperature Fuels Committee Meeting, Los Alamos, New Mexico, November 14, 15, & 16, 1962	n.a.	11/13/62	CRD
CNLM-4314	SNAP-50-DR-1 Schedule	Doll, W.	11/7/62	CDI
CNLM-4315	Minutes of SNAP-50/SPUR Meeting with Aerojet-General Nuclearonics 7-8 November 1962	Gagnon, R.	11/28/62	CRD
CNLM-4316 (Part I)	Contractual and Cost Proposal for an Investigation to Determine the Solid Solubility of Interstitial Elements in Several Columbium-rich Binary Alloys	Begg, R.	11/29/62	U
CNLM-4316 (Part II)	Technical Proposal for an Investigation to Determine the Solid Solubility of Interstitial Elements in Several Columbium-rich Binary Alloys	Raring, L.	11/29/62	U

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CNLM-4317	Secondary Pump for the NNST	Overman, A.	11/9/62	U
CNLM-4318	Heat Capacity and Enthalpy of Uranium Monocarbide from 0 to 1200 C (32 to 2200 F)	Harrington, L.	11/9/62	CRD
CNLM-4320	Revision to Cost Estimate for Fiscal Year 1964 Contract AT(30-1)-2789	n.a.	2/1/63	U
CNLM-4322	Revision to Cost Estimate for Fiscal Year 1963	n.a.	11/16/62	CRD
CNLM-4322 (Rev. 1)	Revision to Cost Estimate for Fiscal Year 1963	n.a.	12/26/62	U
CNLM-4323	Technical Proposal Evaluation of the Mechanical Properties of Cb-1 Zr Alloy in a Space Environment. Proposal No. 556	Schmickrath, B.	12/13/62	CRD
CNLM-4325	Evaluation of Temptron, Inc., 1/8" Thermocouple Material Per CS 1910C Contract	Fanciullo, S.	11/23/62	U
CNLM-4326	Selection of Capsules for Irradiation Series PW 26-170	Freed, M.	11/23/62	CRD
CNLM-4327	Test Cell and Shield Heat Loads	Stello, V.	11/16/62	U
CNLM-4328	Program for Further Evaluation of Cb-1 Zr Alloy Strength	Treciokas, V.	11/15/62	CRD
CNLM-4329	SNAP-50 Power Output Selection	Murphy, J.	11/16/62	CRD
CNLM-4330	An Empirically Established Method of Analytically Determining Criticality of Small, Fast Reactors with Significant Niobium and Beryllium Content	Johnson, C.	12/12/62	CRD
CNLM-4330 (Supp. 1)	An Empirically Established Method of Analytically Determining Criticality of Small, Fast Reactors with Significant Niobium and Beryllium Content	Johnson, C.	9/16/63	CRD
CNLM-4331	Preliminary Heat Transfer Data Obtained from the Water Boiling Condensing Visualization Test Rig Using a Straight Copper Tube	Petrek, J.	11/30/62	U
CNLM-4332	Analysis of Capsule Fill Gases	Van Sickle, V.	11/23/62	U

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CNLM-4333	LCRE Primary Jacket Gas System	Tobiasz, E.	11/23/62	U
CNLM-4334	Capsule Irradiation Schedule	n.a.	11/20/62	CRD
CNLM-4334 (Rev. 1)	Reactor Fuels Inpile Capsule Program	Kennedy, W.	5/31/63	CRD
CNLM-4335	SNAP-50 Space Powerplant (Unclassified Version of CNLM 4255)	n.a.	11/29/62	U
CNLM-4336	SNAP-50 Reactor Weight Versus Power (Preliminary UC Para- metric Study Results)	n.a.	11/20/62	CRD
CNLM-4337 (Part I)	Contractural and Cost Proposal Technology of Tantalum Alloys	Begg, R.	12/7/62	U
CNLM-4337 (Part II)	Technical Proposal Technology of Tantalum Alloys	Raring, L.	12/7/62	U
CNLM-4338	Review of P&WA Report CNLM 4267	Meyer, R.	11/20/62	CRD
CNLM-4339	Element Configuration for Very High Temperature Cap- sule	Miller, A.	11/21/62	CRD
CNLM-4340	LCRE Fuel Loading Require- ments	Bigelow, C.	11/30/62	CRD
CNLM-4341	Preliminary Sizing of SNAP-50 Separator	Allen, J.	12/10/62	CRD
CNLM-4341 (Supp. 1)	Preliminary Sizing of SNAP-50 Separators	Allen, J.	1/2/63	CRD
CNLM-4341 (Supp. 2)	SNAP-50 Schematic in CNLM-4350	Horan, J.	12/13/62	CRD
CNLM-4341 (Supp. 3)	SPUR Axial Flow Separator Design Procedure	Allen, J.	3/12/63	CRD
CNLM-4341 (Supp. 4)	Discussions of Separator Design with East Hartford Fluid Me- chanics Group	Allen, J.	1/2/63	U

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CNLM-4341 (Supp. 5)	Separator Analysis Phase Out Report	Allen, J.	5/17/63	U
CNLM-4342	Inpile Capsule Irradiation Time	Terry, W.	11/23/62	CRD
CNLM-4342 (Supp. 1)	Revised Inpile Capsule Irradiation Time	Terry, W.	12/10/62	U
CNLM-4342 (Supp. 2)	Correct Specimen Numbers for Capsules PW 26-220 and 230 Series	Terry, W.	12/26/62	U
CNLM-4342 (Supp. 3)	Revised Inpile Capsule Irradiation Time	Terry, W.	4/22/63	CRD
CNLM-4342 (Supp. 4)	Inpile Capsule Irradiation Time	Terry, W.	4/22/63	CRD
CNLM-4343	Harmonic Drive Flex Tube Development	Jones, D.	11/30/62	U
CNLM-4344	Clarification of Control Drive Wire Routing from the Test Cell Inner Wall to Electrical Pass Through Seal Plates Atop Each Gear Box	Shuford, S.	11/30/62	CRD
CNLM-4345	Neutron Scattering from Heat Radiators for Space Vehicles	Smolen, J.	12/12/62	CRD
CNLM-4346	Charts used in Pratt & Whitney Aircraft - CANEL Discussion with Atomic Energy Commission December 10, 1962	n.a.	12/7/62	CRD
CNLM-4347	Summary of Reaction Zones	Crume, E.	12/7/62	CRD
CNLM-4348	Status of SNAP-50 Pump Bearing Materials for Compatibility Evaluation	Wallace, M.	12/17/62	CRD
CNLM-4349	SNAP-50 Powerplant Weight Change with Separator Pressure Drop	Daum, N.	3/1/63	CRD
CNLM-4349 (Supp. 1)	SNAP-50 Main and Auxiliary Slab Radiator Weight and Area Changes	Daum, N.	3/5/63	CRD
CNLM-4350	100 MWE SNAP-50 Flow Schematic and Component Weights using 250 KWE Power Conversion Units	Daum, N.	12/11/62	CRD

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CNLM-4350 (Supp. 1)	SNAP-50 Flow Schematic and Component Weights using 294 KWE Power Conversion Units	Daum, N.	12/26/62	CRD
CNLM-4351	High Voltage Electron Beam Welding of W-Re Thermocouples	Doyle, J.	12/14/62	U
CNLM-4352	Request for Proposals for High Temperature Electric Motors for SNAP-50	n.a.	12/17/62	CRD
CNLM-4353	Letter to B. Schmickrath	Wilkins, R.	12/12/62	CRD
CNLM-4354	Regarding the Minimum Number of Operable Control Drums Required to Accomplish Hot and Cold Shutdown of the LCRE Reactor	Kennedy, W.	12/13/62	CRD
CNLM-4355	Instrument Design Coordination	Bliss, P.	12/17/62	U
CNLM-4356	Monthly Progress Report November, 1962	Parks, G.	12/17/62	CRD
CNLM-4357	SNAP-50 System Optimization Studies	Criso, A.	1/15/63	CRD
CNLM-4358	Engineering Report on the Design of the Pratt and Whitney Aircraft Forced Convection Alkali Metal Vaporization Condensation Heat Transfer Rig	Bernstein, E.	2/12/63	U
CNLM-4359	SNAP-50 Powerplant Weights Using the Modular Power Conversion Unit Concept	Perry, P.	12/18/62	CRD
CNLM-4360	SNAP-50-DR-1 Preliminary Study	Vassallo, D.	1/16/63	CRD
CNLM-4361	High Temperature (2400F) Tube Burst Rigs	Stewart, J.	12/19/62	CRD
CNLM-4362	Design Changes on Boiling Potassium Test Loop, NKSS-B	Randall, D.	12/26/62	U
CNLM-4363	LCRE Safety Analysis Details	Parks, G.	12/20/62	CRD
CNLM-4364	SNAP-50 Reference Requirements Study	Perry, P.	1/11/63	CRD

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CNLM-4365	Electrical Power Distribution for LCRE Controls and Instrumentation	Naples, P.	1/11/63	CRD
CNLM-4367	SNAP-50 Startup	Murphy, J.	1/16/63	CRD
CNLM-4369	Materials Evaluation of Support Forging, P/N-1015787F	Doughty, C.	1/16/63	U
CNLM-4370	Monthly Report - SNAP-50 Program	Doll, W.	12/31/62	CRD
CNLM-4371	In the Enclosed Memo, CNLM-4345, I have Summarized your Calculations of Neutron Scattering from Heat Radiators...	Smolen, J.	12/31/62	CRD
CNLM-4372	Parametric Results for UC Fueled SNAP-50 Type Reactors	Rotondo, C.	2/11/63	CRD
CNLM-4373	Summary of Preliminary Cost Estimates for LCRE, SNAP-50 DR-1, SNAP-50 Power Conversion	Doll, W.	1/4/63	CRD
CNLM-4374	LCRE Safety Analysis Details; Answers to Questions II-4, 9, 11, III 1-6	Rice, A.	1/7/63	CRD
CNLM-4375	Lithium Pump Requirements for Prototype Boiler Test Rig	Costomiris, G.	1/16/63	CRD
CNLM-4377	U-235 Fission Product Radiation Curves	Mroczka, E.	1/30/63	U
CNLM-4378	SNAP-50 Accumulator Tanks and Pressure Control	Horan, J.	1/16/63	CRD
CNLM-4378 (Supp. 1)	SNAP-50 Requirements-Accumulators	Horan, J.	1/16/63	U
CNLM-4380	Forecast of Special Nuclear Material Requirements: U-233 Report Period 7/1/63 thru 6/30/64	n.a.	1/9/63	U
CNLM-4381	Forecast of Special Nuclear Material Requirements: U-235 Reporting Period 7/1/63 thru 6/30/64	n.a.	1/9/63	U
CNLM-4382	Forecast of Special Nuclear Material Requirements: Pu Reporting Period 7/1/63 through 6/30/64	n.a.	1/9/63	U

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CNLM-4383	LCRE Vapor Trap Design Approval	Randall, D.	1/16/63	CRD
CNLM-4385	SNAP-50 Reactor Development Concept	Doll, W.	1/15/63	CRD
CNLM-4386	"Frigid-Flash" Welding of Dissimilar W-Re Thermocouple Junctions	Doyle, J.	1/22/63	U
CNLM-4387	LCRE Safety Analysis Questions II-4, 9 and 11	Gray, W.	1/15/63	CRD
CNLM-4388	LCRE Safety Analysis Questions III 1 thru 6	Gray, W.	1/15/63	CRD
CNLM-4388 (Supp. 1)	LCRE Safety Analysis Questions III 1 thru 6	Bigelow, C.	4/2/63	CRD
CNLM-4389	Report on Trip to Battelle Memorial Institute - December 12-14, 1962	Fassler, M.	1/21/63	CRD
CNLM-4390	Trip to Oak Ridge National Laboratory	Myers, J.	1/21/63	U
CNLM-4391	Justification for Increased Operating Costs Fiscal Year 1964	n.a.	1/15/63	CRD
CNLM-4392	SNAP-50 Accumulator Tanks and Pressure Control for Reactor and Heat Rejection Loop	Rieb, M.	1/21/63	CRD
CNLM-4393	LCRE and SNAP-50 Quarterly Progress Report September-December, 1962	Kelly, K.	1/17/63	CRD
CNLM-4394	SNAP-50 Heat Balance, Component Weights, and Flow Schematic	Daum, N.	2/11/63	CRD
CNLM-4394 (Supp. 1)	SNAP-50 Main Aux. Slab Radiator Weight + Area Changes	Daum, N.	2/21/63	CRD
CNLM-4395	Inpile Capsule - Fuel Burnup Estimating Curves	Butler, E.	3/12/63	U
CNLM-4396	Environment Handbook	Howlett, R.	2/12/63	U
CNLM-4396 (Supp. 1)	Environment Handbook - Anisotropic Distribution of Meteoroid Flux	Howlett, R.	10/9/63	U

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CNLM-4396 (Supp. 2)	Environment Hand Book, Supp. 2 Meteoroid Protection Based on Explorer XVI Data	Howlett, R.	1/24/64	U
CNLM-4397	SNAP- 50 Power Conversion Loop Accumulator	Rieb, M.	1/30/63	CRD
CNLM-4398	Letter to Mr. H. Greenfield Lockheed Missile and Space Co. concerning the SNAP-50 Powerplant	Meyer, R.	1/21/63	CRD
CNLM-4399	Changes to Inpile Capsule Design	Terry, W.	1/30/63	CRD
CNLM-4400	300 Kwe SNAP-50 First Flight Powerplant - Preliminary De- sign Specifications	Cole, P.	4/23/63	CRD
CNLM-4400 (Supp. 1)	300 Kwe SNAP-50 First Flight Powerplant - Preliminary De- sign Specifications	Zeisser, M.	6/7/63	U
CNLM-4400 (Supp. 2)	300 Kwe SNAP-50 First Flight Powerplant Preliminary De- sign Specifications	Zeissier, M.	8/23/63	CRD
CNLM-4400 (Supp. 3)	300 Kwe SNAP-50 First Flight Powerplant Preliminary De- sign Specifications	Murphy, J.	10/1/63	CRD
CNLM-4400 (Supp. 5)	SNAP-50/SPUR First-Flight Powerplant Specifications	Murphy, J.	12/5/63	CRD
CNLM-4400 (Supp. 5A)	CNLM 4400 Supplement 5A Preface to P&WA Copies of CNLM-4400 Supplement 5	n.a.	12/5/63	CRD
CNLM-4400 (Supp. 6)	SNAP-50/SPUR Powerplant Specifications June 1, 1964	Meyer, R.	6/1/64	CRD
CNLM-4401	Preliminary Evaluation of Side Shield Effect on Re- activity and Reactor Control for DR-1	Johnson, C.	1/24/63	CRD
CNLM-4402	Side Reflector Thickness Effect on Escaping Neutron Dose	Johnson, C.	1/24/63	CRD

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CNLM-4403	In reply to your letter of December 12, 1962, requesting our review and comments on the approved version of the second classification guide...	Meyer, R.	1/22/63	CRD
CNLM-4405	Annual Transfers and Returns of Special Nuclear Material: Project Title: Lithium Cooled Reactor Experiment	Brown, A.	1/23/63	CRD
CNLM-4406	Piping and Meteoroid Barrier Weights for a SNAP-50 Power-plant	Nichol, L.	2/6/63	CRD
CNLM-4407	Gas Release Mechanism Studies in Reactor Fuels	Felber, F.	1/30/63	U
CNLM-4408	Short Time Strength Data for CS 1830 Series Cb-1 Zr, Annealed at 2200F	Watson, W.	2/19/63	U
CNLM-4409	Downgrading of Documents	Herron, H.	1/25/63	CRD
CNLM-4410	Properties of Uranium Mononitride	Johnson, B.	2/11/63	CRD
CNLM-4411	Test Cell and Shield Heat Removal System	Stello, V.	1/30/63	U
CNLM-4412	Instruction Manual for Fuel Element Alpha Contamination Detector	Myers, J.	2/20/63	CRD
CNLM-4413	Preliminary SNAP-50 Boiler Data	Kardys, C.	2/11/63	CRD
CNLM-4414	SNAP-50 Funding Estimates - Program as of January 28, 1963	n.a.	1/30/63	CRD
CNLM-4415	Revised Meteoritic Data	d'Arcy, R.	2/6/63	CRD
CNLM-4416	Proposed Work Statement for the SNAP-50 Power Conversion System Program for Fiscal Year 1964	n.a.	1/29/63	CRD

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CNLM-4417	Information Retrieval System for Radiation Effects Literature	Myers, J.	2/11/63	U
CNLM-4418	Discussion of Turbopumps for the Military Compact Reactor Project	Kelly, R.	1/30/63	SRD
CNLM-4419 (Vol. 1)	Summary of the SNAP-50 Program at CANEL	n.a.	2/4/63	CRD
CNLM-4419 (Vol. 2)	Summary of the SNAP-50 Program at CANEL	n.a.	2/4/63	CRD
CNLM-4420	Office Action in Application for AEC CASE No. S-18, 162c (A-456) U.S. Appln. Serial No. 85, 160 filed - January 26, 1961 Applicant: Martin H. Cooper	n.a.	1/31/63	SRD
CNLM-4422	Mechanical Properties of Some Cb-Zr-C Alloys Developed at CANEL	Delgrosso, E.	2/11/63	CRD
CNLM-4423	Technical Brief: SNAP-50 and LCRE Programs	Doll, W.	3/1/63	CRD
CNLM-4424	LCRE Operations Manual, Pro- posed Outline of	Keller, R.	3/1/63	U
CNLM-4425	Neutron and Gamma Leakage from a Typical SNAP-50 Reactor	Alwang, W.	2/13/63	CRD
CNLM-4426	Copies for Unaccounted-for Documents	Herron, H.	2/8/63	CRD
CNLM-4428	A Compilation of Information Relevant to the SNAP-2, SNAP-8, SPUR, and Oak Ridge Rankine Cycle Powerplants	Nichol, L.	3/1/63	CRD
CNLM-4428 (Supp. 1)	A Compilation of Recent Infor- mation Relevant to SNAP-10A, SNAP-2 & SNAP-8	Nichol, L.	9/16/63	U
CNLM-4429	Bumper Concept of Meteoroid Shielding	d'Arcy, R.	3/1/63	CRD
CNLM-4430	Transportation of LCRE Fuel Elements to ORNL	Brown, A.	2/28/63	CRD

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CNLM-4432	Classification Review of Un-accounted-for Documents	Meyer, R.	2/15/63	U
CNLM-4433	Status of Unaccounted-for Documents	Herrron, H.	2/15/63	CRD
CNLM-4434	Trip Report on Rolling of Cb-1 Zr Plate for LCRE Sump Pump Housing	Stewart, J.	3/1/63	U
CNLM-4435	Oil Leakage Detectors for LCRE Coolant Pumps (Sweep Gas Systems)	Patenaude, R.	3/1/63	U
CNLM-4436	Preliminary Studies of the Effect of Radiator Failures on Power Output	d'Arcy, R.	3/5/63	CRD
CNLM-4437	Comparison of Space Radiator Types	Gemma, A.	2/20/63	U
CNLM-4438	SNAP-50 Main and Auxiliary Radiator Panel Optimization	Daum, N.	3/5/63	CRD
CNLM-4439 (Part 1)	Contractual and Cost Proposal: the Processing of Refractory Metals	Doll, W.	3/6/63	U
CNLM-4439 (Part II)	Technical Proposal: The Processing of Refractory Metals	Raring, L.	3/6/63	U
CNLM-4441	SNAP-50 Structural Design Criteria	Kalinowski, A.	7/25/63	CRD
CNLM-4441 (Supp. 1)	Structural Design Criteria for SNAP-50 Preliminary Design	Oslick, H.	10/30/63	CRD
CNLM-4441 (Supp. 2)	Shock and Vibration Characteristics	Karcher, G.	3/31/64	U
CNLM-4441 (Supp. 3)	Recommendations for Preparation of CNLM-4400, Supp. 6, "SNAP 50/SPUR First-Flight Powerplant Specifications"	Rice, A.	5/22/64	CDI
CNLM-4441 (Supp. 4)	SNAP-50 Structural Design Criteria	Gemma, A.	12/21/64	U

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CNLM-4442	Safety System Battery Power Supplies - Engineering Requirements	Naples, P.	3/1/63	U
CNLM-4443	Studies of Adapting the LCRE Reactor to the SNAP-50 Power-plant	Perry, P.	2/22/63	CRD
CNLM-4444	Review of Columbium-1 Zirconium Alloy Long Term Properties	n.a.	4/10/63	CRD
CNLM-4445	The Weight Penalties Associated with Alternate Approaches to the SNAP-50 Powerplant Design	Criso, A.	3/5/63	CRD
CNLM-4445 (Supp. 1)	The Weight Penalties Associated with Alternate Approaches to the SNAP-50 Powerplant Design	Criso, A.	3/20/63	CRD
CNLM-4446	Uranium Carbide with Cladding Materials	Doll, W.	2/22/63	CRD
CNLM-4447	DR-1 Fuel Development Progress, January 1963	DeCrescente, M.	2/26/63	CRD
CNLM-4448	SNAP-50 Preliminary Data for Application Studies	n.a.	4/11/63	CRD
CNLM-4449	Preliminary Report on the CCA-7	Paradis, E.	3/20/63	CRD
CNLM-4449 (Supp. 1)	Preliminary Report No. 2 on the CCA-7	Callen, R.	2/3/65	CRD
CNLM-4449 (Supp. 2)	Preliminary Report No. 3 on the CCA-7	Callen, R.	6/8/65	CRD
CNLM-4449 (Supp. 3)	Preliminary Report No. 4-CCA-7	Callen, R.	7/12/65	CRD
CNLM-4451	Requirements for Spare Valve Assemblies for use in the LCRE	Centofanti, A.	3/5/63	U
CNLM-4452	Bellows Analysis for CANEL Designed Valves	Rieb, M.	3/20/63	U
CNLM-4453	Establishment of Criteria for Evaluation of Boiling Heat Transfer Enhancement Devices	Kardys, C.	3/12/63	U

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CNLM-4454	Silicon Controlled Rectifier Test Procedure	Conant, W.	1/15/64	U
CNLM-4455	Zuner Diode Test Procedure	Conant, W.	1/15/64	U
CNLM-4456	Meeting of SNAP-50 Fuels Committee	Caplow, S.	3/6/63	CRD
CNLM-4457	Test Procedure for Nobatrol Model 100C008G01 Bi-stable Amplifier	Conant, W.	1/15/64	U
CNLM-4458	Procedure for Magnetics Type 4511-AB01 Instrument Amplifier	Conant, W.	1/15/64	U
CNLM-4459	Test Procedure for Magnetics Type RB2C1-1-11811 (SW-4277) Switching Reactor	Conant, W.	1/15/64	U
CNLM-4460	Weld Evaluation of Cb-1 Zr Corrosion Loops	Greer, J.	3/6/63	CRD
CNLM-4461	Heat Capacity and Enthalphy of Uranium Mononitride from 0 to 1200C (32 to 2200 F)	Harrington, L.	3/12/63	U
CNLM-4462 (Part I)	Contractual and Cost Proposal Study of the Chloroform Extractions of the Metals of Groups IVb, Vb and VIb as their N-Benzoyl, N-phenylhydroxylamine Chelates	Doll, W.	4/3/63	U
CNLM-4462 (Part 2)	Technical Program Study of the Chloroform Extractions of the Metals of Groups IVb, Vb and VIb as their N-Benzoyl, N-phenylhydroxylamine Chelates	Raring, L.	4/3/63	U
CNLM-4463	Vendor Evaluation Board Report on Electric Motor Design Proposals for the SNAP-50 Primary Pump Drive	Roebuck, J.	4/2/63	CRD
CNLM-4464	SNAP Material and Boiler Test System	Kulp, R.	3/20/63	CRD
CNLM-4464 (Supp. 1)	Boiler Tube Design	Kulp, R.	3/20/63	U

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CNLM-4464 (Supp. 2)	Accumulator for Material and Boiler Test System	Rieb, M.	5/21/63	U
CNLM-4465	Classification Bulletin Number 2- LCRE Classification	Herron, H.	3/14/63	CRD
CNLM-4466	This series of fuel experiments is essentially a continuation of the PW-26 capsule series but with test specimen enrichment changes to permit these experiments to be run in the core of the ETR	Parks, A.	3/13/63	CRD
CNLM-4467	Priorities for Completion of Applications Studies	Meyer, R.	3/13/63	CRD
CNLM-4468	Test Program for the Non-Nuclear Systems Test	Overman, A.	3/20/63	CRD
CNLM-4468 (Supp. 1)	Test Program for the Non-Nuclear Systems Test	Overman, A.	1/30/64	CRD
CNLM-4468 (Supp. 2)	Shutdown Procedure and Test Program for NNST	Overman, A.	10/2/64	CRD
CNLM-4469	Summary of LCRE Loads for A & E	Oslick, H.	4/2/63	U
CNLM-4469 (Supp. 1)	Summary of LCRE Loads for A & E	Oslick, H.	4/22/63	U
CNLM-4469 (Supp. 2)	Summary of LCRE Loads for A & E	Oslick, H.	6/25/63	U
	Design Criteria and Specifications for SNAP-50 Primary Pump Motors	Walton, J.	3/25/63	CRD
CNLM-4470	Design Criteria and Specifications for SNAP-50 Primary Pump Motors	Walton, J.	3/25/63	CRD
CNLM-4471	Cost-plus-fixed-fee Contract for Development of SNAP-50 Primary Pump Drive Motor	Walton, J.	3/25/63	U
CNLM-4474	Preliminary Reactor Specifications for SNAP-50	Fish, R.	11/11/63	CRD
CNLM-4475	Program Cost Estimate for Lithium-cooled Reactor Experiment Fiscal Years 1963-1965	n.a.	5/15/63	CRD

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CNLM-4475 (Part 1)	Lithium-Cooled Reactor Experiment Rough Draft of Schedule 189's Additional Explanation for Operating Costs	n.a.	3/25/63	CRD
CNLM-4475 (Part 2)	Lithium-cooled Reactor Ex- periment Rough Draft of Schedule 189's Additional Explanation for Operating Costs	n.a.	3/25/63	CRD
CNLM-4476	Program Cost Estimate for Advanced High Temperature Materials Fiscal Years 1963-1965	n.a.	5/15/63	CRD
CNLM-4476 (Part 1)	Advanced High-Temperature Materials Rough Draft of Schedule 189's Additional Explanation for Operating Costs	n.a.	3/25/63	CRD
CNLM-4476 (Part 2)	Advanced High-Temperature Materials Rough Draft of Schedule 189's Additional Explanation for Operating Costs	n.a.	3/25/63	CRD
CNLM-4477	Program Cost Estimate for SNAP-50 Reactor System Design and Development Fiscal Years 1963-1965	n.a.	5/15/63	CRD
CNLM-4477 (Supp. 1)	SNAP-50-DR -1 Rough Draft of Schedule 189's. Addition- al Explanation for Operat- ing Costs	n.a.	3/25/63	CRD
CNLM-4478	Investigation of the Effect of Carbon in Cb-1 Zr Alloy on the Threshold of Corrosion Concentration for Oxygen	Schenck, G.	3/22/63	CRD
CNLM-4479	The Thermal Expansion of Thirteen Tungsten Carbide Cermets from 68 to 1800 F	Harrington, L.	5/7/63	U
CNLM-4482	LCRE Safety System Descrip- tion	Bourret, C.	4/2/63	CRD

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CNLM-4483	Bearing Material - Molybdenum-25 Columbium Monocarbide	Doughty, C.	4/1/63	SRD
CNLM-4484	LCRE Operating Training	Keller, R.	4/22/63	U
CNLM-4484 (Supp. 1)	LCRE Operations Training Program - Phase I and II	Keller, R.	5/31/63	U
CNLM-4484 (Supp. 2)	LCRE Operations Training Course, Students at	Keller, R.	6/21/63	U
CNLM-4484 (Supp. 3)	Revised Lecture Schedule	Keller, R.	9/6/63	U
CNLM-4486 (Vol. 1)	Management Proposal for the Development of Dispersion- Strengthened Tantalum- Base Alloys	Doll, W.	4/10/63	U
CNLM-4486 (Vol. II)	Technical Proposal for the Development of Dispersion- Strengthened Tantalum-Base Alloys	Doll, W.	4/10/63	U
CNLM-4487	Proposal for the Shock and Vibration Test Program of the SNAP-50 System	Karcher, G.	5/7/63	CRD
CNLM-4489	Statement of reasonableness for SNAP-50 Primary Pump Drive Motor Vendor Selection	Walton, J.	4/2/63	U
CNLM-4490	Preliminary Studies of Using the LCRE Reactor in the SNAP- 50 Powerplant	Perry, P.	4/2/63	CRD
CNLM-4491	Classification Bulletin No. 3	Herron, H.	4/11/63	CRD
CNLM-4492	Instructions for Storing Mechanical Test Data on IBM Cards	Greer, J.	4/26/63	CRD
CNLM-4493	System Structural Program for SNAP-50 Development	Gemma, A.	4/9/63	U
CNLM-4494	Fuel Element Component Eval- uation Program through FY 64	Watson, W.	4/9/63	CRD

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CNLM-4495	Change to Inpile Capsule Design	Ward, E.	4/11/63	CRD
CNLM-4496	Application of UN-W Cermet Fuels to Advanced Nuclear Rockets	DeCrescente, M.	4/9/63	CRD
CNLM-4497	Request for EM Pump Analysis	Larson, J.	4/5/64	CRD
CNLM-4499	In response to your request for a status report and repair schedule for the non-nuclear systems test failure resulting from an electrical short circuit, we submit the following.	Strough, R.	4/10/63	CRD
CNLM-5000	Preliminary SNAP-50 Power - plant Program Document for FY 1964 and FY 1965	n.a.	4/10/63	CRD
CNLM- 5001	Recommendations for Modification of the SNAP-50 UO ₂ Fuel Program at CANEL	Kennedy, W.	4/10/63	CRD
CNLM-5002	CANEL Classification Bulletin Number 4	Herron, H.	5/13/63	CRD
CNLM-5003	U.S. AEC Irradiation Services Purchase Order Number 609116 Under Contract Number to Irradiation Service, Phillips Petroleum Company from: P&WA -CANEL (Form AEC-22)	French, H.	4/15/63	CRD
CNLM-5004	Metallographic Examination of "Fridg-Flash" Weld Samples	Doughty, C.	5/7/63	U
CNLM-5005	LCRE and SNAP-50, Quarterly Progress Report, January - March, 1963	Kelly, K.	4/22/63	CRD
CNLM-5006	LCRE Regulated Instrument Power System	Bourret, C.	4/22/63	U
CNLM-5007 (Vol. 1)	Business Management Proposal Cavitation Damage Research for Mechanical Pumping of High Temperature Liquid Metal	Doll, W.	5/10/63	U

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CNLM-5007 (Vol. 2)	Technical Proposal Cavitation Damage Research for Mechanical Pumping of High Temperature Liquid Metal	n.a.	5/8/63	U
CNLM-5007 (Rev. 1)	Revised Statement of Work Cavitation Damage Research for Mechanical Pumping of High Temperature Liquid Metal	Doll, W.	5/24/63	U
CNLM-5008	Discussion on Boiling Within Tubes	Kardys, C.	5/3/63	U
CNLM-5009	Procurement and Assembly of P Area Racks and Console	Sullivan, D.	4/22/63	U
CNLM-5010	Request for Dummy Power Trans- fer Columns	Lomerson, E.	4/18/63	CRD
CNLM-5011	Design of the Center Source Can for Fuel Element Experiment	Lomerson, E.	4/18/63	CRD
CNLM-5011 (Supp. 1)	Design of the Center Source Can for Fuel Loading Experiment	Lomerson, E.	6/6/63	CRD
CNLM-5012	Secondary Pipe Penetration Through Test Cell Wall	Jahn, R.	4/26/63	U
CNLM-5013	Summary of Availability of Critical Experiment Equipment and Materials	Crume, E.	4/30/63	U
CNLM-5013 (Supp. 1)	Summary of Availability of Critical Experiment Equipment and Materials	Crume, E.	5/17/63	U
CNLM-5014	The SNAP-50 Powerplant Develop- ment Program	Myer, R.	4/22/63	CRD
CNLM-5015	Classification Guide for the High Temperature Compact Reactor Program	Herron, H.	5/22/63	CRD
CNLM-5016	Request for Data on Auxiliary Cooling System Weights	Walton, J.	4/22/63	U
CNLM-5017	Analysis of Pressure Vessel Bellows	Rieb, M.	5/7/63	U
CNLM-5018	Summary of LCRE FLANGA- Primary Sump Inlet at Wyman-Gordon	Doughty, C.	5/6/63	U

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CNLM-5019	Irradiation Services Purchase Order Number 609116 Form AEC-22	n.a.	4/26/63	CRD
CNLM-5020	Non-nuclear Systems Test I ² R Heater Thermocouples	Overman, A.	4/26/63	U
CNLM-5021	Summary of LCRE Fuel Element Design Including Supporting Experimental Data	Dytko, E.	6/12/63	CRD
CNLM-5022	Display Fuel Module	Weatherly, L.	4/26/63	CRD
CNLM-5023	Parametric Study of D.C. Con- duction EM Pumps	Lamers, R.	5/21/63	CRD
CNLM-5024	A Catalog of Radiation Facilities	Parks, A.	5/21/63	U
CNLM-5025	Requirements for LCRE Branch Power Circuit Breaker Panels and Associated Relays and Lights	Sullivan, D.	5/13/63	U
CNLM-5026	Status Report of Film Bearing Work at CANEL for the SNAP/SPUR Powerplant	Odom, H.	6/25/63	CRD
CNLM-5027	Status of Vendor Fabrication for Refractory Type Alloys	Stewart, J.	5/7/63	U
CNLM-5027 (Supp. 1)	Status of Vendor Fabrication for Refractory Type Alloys	Stewart, J.	6/10/63	U
CNLM-5027 (Supp. 2)	Status of Vendor Fabrication for Refractory Type Alloys	Stewart, J.	7/2/63	U
CNLM-5027 (Supp. 3)	Status of Vendor Fabrication for Refractory Type Alloys	Stewart, J.	7/16/63	U
CNLM-5028	Review of Materials for Primary Pump Motor Liner	Walton, J.	5/13/63	CRD
CNLM-5029	Meeting with General Electric	Means, H.	5/13/63	U
CNLM-5030	Request for EM Pump Analysis	Larson, J.	5/8/63	U
CNLM-5031	LCRE Reflector Case Buckling	Hartman, O.	5/17/63	U
CNLM-5032	Requirements for LCRE Console Writing Shelf	Sullivan, D.	5/13/63	U
CNLM-5033	Program Cost Estimate for SNAP-50 Power Conversion Components Design and Develop- ment Fiscal Years 1963 - 1965	n.a.	5/15/63	CRD

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CNLM-5034	Thermal Decomposition of Uranium Carbide	Vozzella, P.	5/17/63	U
CNLM-5035	EM Pump Preliminary Design Study EOS-1602	Larson, J.	5/8/63	U
CNLM-5036	Program Cost Estimate for Critical Assembly Fuel Element Exchange Fiscal Years 1963 - 1965	n.a.	5/15/63	U
CNLM-5037	Preliminary Studies of Using the LCRE Reactor in a SNAP-50 Type Powerplant	Doll, W.	5/9/63	CRD
CNLM-5038	Bendix Code for Boiler Design	Kardys, C.	5/24/63	U
CNLM-5038 (Supp. 1)	Bendix Code for Boiler Design	Kandler, R.	11/11/63	U
CNLM-5039	LCRE Vapor Trap Design Change	Randall, D.	5/15/63	U
CNLM-5040	Change of Certain Work Orders	Koerber, R.	5/13/63	U
CNLM-5041	Application Serial Number 106, 405 (A452) Filed April 28, 1961 for Nuclear Rocket	n.a.	5/10/63	CRD
CNLM-5042	Trip Report to Oak Ridge National Laboratory and General Electric Nuclear Materials and Propulsion Operation, Evandale, Ohio	Felber, F.	5/17/63	U
CNLM-5045	Requirements for Emergency Switch Covers	Sullivan, D	5/17/63	U
CNLM-5046	CNLM-5028 - Review of Materials for Primary Pump Motor Liner	Cleary, R.	5/21/63	CRD
CNLM-5047	Operating Instructions for the Forced Convection Alkali-Metal Vaporization Condensation Heat Transfer Rig, Stand X-573	Petrek, J.	6/19/63	U
CNLM-5048	Vapor Trap Cooling Gas Supply-LCRE	Schaefer, R.	6/10/63	U
CNLM-5050	SNAP-50 Powerplant Development Plan	n.a.	6/11/63	CRD

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CNLM-5051	Material for 16th High Temperature Fuels Committee Meeting	DeCrescente, M.	5/14/63	CRD
CNLM-5052	Proceedings of Cavitation Damage Conference at CAN EL on January 23, 1963	Lucas, B.	5/15/63	U
CNLM-5053	A Discussion of Sintering Processes	Sturiale, T.	5/21/63	U
CNLM-5054	Changes in Test Stands X-248 and X-249	Donnelly, E.	5/21/63	U
CNLM-5054 (Supp. 1)	Construction of Two Liquid Metal Vapor Trap Test Stands	Donnelly, E.	6/10/63	U
CNLM-5055	Lunar Powerplant Study	Criso, A.	6/26/63	CRD
CNLM-5056	Initial Test Program for X-573	Bernstein, E.	5/21/63	U
CNLM-5057	Display Fuel Module	Weatherly, L.	5/15/63	CRD
CNLM-5058	Program Cost Estimate MCR Criticality Experiment Service Fiscal Year 1963-1964	n.a.	5/17/63	U
CNLM-5059	Construction of a Portable Gas System Analyser	Donnelly, E.	5/21/63	U
CNLM-5062	Study of High Power SNAP-50 Type Systems	Daum, N.	7/9/63	CRD
CNLM-5063	LCRE Reflector Case - Inner	Lomerson, E.	5/23/63	U
CNLM-5063 (Supp. 1)	LCRE Reflector Case - Inner	Lomerson, E.	5/31/63	U
CNLM-5064	Budget Estimate for Fiscal Year 1965	n.a.	7/2/63	CRD
CNLM-5065	Lithium Pump EM Pump Parametric Study	Lamers, R.	5/31/63	CRD
CNLM-5066	The Thermal Decomposition of Uranium Nitride	Vozzella, P.	6/7/63	U
CNLM-5067	Acceptance Test for LCRE Valve Bellows	Rieb, M.	5/31/63	U
CNLM-5068	Trip to Germantown on May 10, 1963 to Discuss Advanced Military Compact Reactors	Chalfant, A.	5/23/63	SRD

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CNLM-5069	Suitability of SNAP-50 Neutron Shield	Levengood, J.	6/11/63	CRD
CNLM-5070	Core Installation and Assembly Hazards Summary Report for the Lithium Cooled Reactor Experiment (LCRE)	McNeill, H.	6/25/63	U
CNLM-5071	Metallurgical Engineering Coverage of Internal Helical Fin Tubing at Nuclear Metals, Incorporated West Concord, Massachusetts	Watson, W.	7/16/63	U
CNLM-5074	Direct TV Transmission from Satalite to Home Receivers	d'Arcy, R.	6/21/63	U
CNLM-5075	Application of Martin H. Cooper, Serial Number 85,160, Filed January 26, 1961 for: Combination Moderator-Fuel Element	Cooper, M.	6/13/63	CRD
CNLM-5076	Fabrication and Assembly Guide for CANEL Designed Valves	Smith, D.	6/7/63	U
CNLM-5078	CANEL Classification Bulletin Number 5	Herron, H.	5/29/63	CRD
CNLM-5079	Report of Visits to AiResearch, Atomics International, North American Aviation and General Atomics, May 21-23, 1963	Larson, J.	6/10/63	U
CNLM-5080	Test Procedure for DeVar Models ES Preamplifier and M584-1 Power Supply	Bennett, D.	6/7/63	U
CNLM-5081	Changes to Inpile Capsule Design	Sturiale, T.	6/11/63	CRD
CNLM-5082	Inpile Operation Temperature Limitations for PW 26-80 Series Capsules	Butler, E.	6/26/63	CRD
CNLM-5083	Homopolar Generator Survey	Walton, J.	6/6/63	U
CNLM-5084	Preliminary Design Concept of SNAP-50 Primary Pump	Walton, J.	5/29/63	CRD
CNLM-5085	Proposed Test Program for a Small Forced Convection Loop to Simulate the NNST Secondary and Calcium Inhibitor Systems	Schenck, G.	6/6/63	CRD

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CNLM-5086	Estimated Redistribution of Nitrogen from Fuel Elements of the LCRE Reactor	Schenck, G.	6/6/63	CRD
CNLM-5087	Cleanliness Requirements for 1035085-Case Assembly, Pile Oscillator Drive	Flynn, J.	6/4/63	U
CNLM-5087 (Supp. 1)	CANEL Specifications	Walton, J.	1/21/65	U
CNLM-5088	Connecticut Advanced Nuclear Engineering Laboratory Facilities Organization and Program Summary	n.a.	6/17/63	CRD
CNLM-5089	LCRE Pump "Green Run" Station	Patenaude, R.	6/10/63	U
CNLM-5090	Information Concerning Questions on Materials to be Discussed as Part of the Agenda for the Meeting with G.E. at Pratt & Whitney-CANEL on June 5, 1963	n.a.	6/4/63	CRD
CNLM-5091	Space Radiators	Rencenberger, R.	6/21/63	U
CNLM-5092	Answers to Westinghouse Questions on Primary Motor Design Study	Walton, J.	6/11/63	CRD
CNLM-5093	Answers to Questions from AiResearch on SNAP-50 Primary Pump Motor Design Studies	Walton, J.	6/11/63	CRD
CNLM-5094	Responsibilities of P&WA and Contractors Concerning Procurement, Assembly, and Installation of "P" Area Racks and "S" Area Bays and Racks	Sullivan, D.	8/21/63	U
CNLM-5095	Evaluation of Lighted Push-button Switches, and Recommendations for LCRE Use	Sullivan, D.	6/13/63	U
CNLM-5096	Budget Assumptions	Meyer, R.	6/5/63	CRD
CNLM-5097	Supplemental Information for Primary Pump Motor Design Studies	Walton, J.	6/7/63	CRD
CNLM-5098	Statement of Work (Contract AT (30-1)-2789 - July 1, 1963 - June 30, 1964	n.a.	4/29/64	CRD
CNLM-5099	Probe Status	Bliss, P.	6/6/63	U

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CNLM-5100	Stress Reputre Test Results-Fuel Element Cladding	Dytko, E.	6/7/63	CRD
CNLM-5101	Meeting with Airborne Instrument Laboratory June 6, 1963	Cole, P.	6/10/63	U
CNLM-5102	LCRE Lube Oil System	Patenaude, R.	6/10/63	U
CNLM-5103	Additional LCRE Thermocouple Development Data	Steele, R.	6/13/63	U
CNLM-5104	Analog Representation of SNAP-50 Powerplant System	Gagnon, R.	6/25/63	CRD
CNLM-5104 (Supp. 1)	Analog Representation of SNAP-50 Powerplant System	Gagnon, R.	7/9/63	U
CNLM-5106	The Contents of the Following CANEL Reports were Reviewed or Discussed with Mr. John Newton of the Northrop Corporation During His Certified Visit at CANEL on May 20, 1963	Meyer, R.	6/11/63	CDI
CNLM-5107	SNAP 50 Fuels Meeting May 29, 1963	Freed, M.	6/13/63	CRD
CNLM-5108	Comparison of PW 19-4 Loop and LCRE	Bigelow, C.	6/12/63	CRD
CNLM-5109	LCRE Fuel Element Operating Limits (Not to Exceed 1/2 Stress Rate-to-Rupture)	Dytko, E.	6/12/63	CRD
CNLM-5110	Classification of the Number of the Control Drums of the LCRE	Meyer, R.	6/12/63	CRD
CNLM-5111	Preliminary 300 Kwe SNAP-50 Powerplant Analog Computer Study	Gagnon, R.	6/26/63	CRD
CNLM-5112	Procurement of Coating for UN Pellets	Caplow, S.	7/2/63	CRD
CNLM-5113	Preliminary Estimates of Performance, Cost and Schedules for the Development of a Nuclear Powerplant for Aircraft	Doll, W.	6/13/63	CRD
CNLM-5114	Meeting with Cadillac Gage Company on June 13, 1963	Cole, P.	6/19/63	U

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CNLM-5115	Results of a Destructive Test of a Haynes 25 Clad Tubular Heater in a Boiling Pool of Potassium at 1800°F	Bernstein, E.	12/5/63	U
CNLM-5116	Freeze Point Results for Capsules PW 25-30C, PW-25-30, PW 25-31, and PW 25-32	Butler, E.	7/25/63	U
CNLM-5117	Fission Product Dose Rate	Smolen, J.	6/17/63	CRD
CNLM-5118	SNAP-50/SPUR First Flight Powerplant Preliminary Design Specifications	n.a.	6/21/63	CRD
CNLM-5119	Information Requested on LCRE Posttest Operation for PWAC-398	Olson, O.	6/17/63	CRD
CNLM-5120	Preliminary Results of Two-Phase Experimental Work Being Conducted at East Hartford Under NASA Contract NAS-3-2335	Bernstein, E.	6/4/63	U
CNLM-5122	Trip Report on Visits to Ai-Research, Atomics International, North American Aviation, and General Atomic	Walton, J.	6/19/63	U
CNLM-5123	LCRE Console-Mounted Permissive Switches, and Their Functions During Startup	Sullivan, D.	8/21/63	U
CNLM-5124	Status Report on the Cb-1Zr Integral Fin Boiler Tube Development	Bernstein, E.	8/30/63	U
CNLM-5125	Notes Taken at "Symposium on Corrosion"	Blecherman, S.	6/17/63	SRD
CNLM-5126	Trip Report on Visit to Westinghouse Aerospace Electrical Division	Walton, J.	7/2/63	U
CNLM-5127	Status of Liquid Metal Bearing Program at CANEL	Wood, G.	6/21/63	CRD
CNLM-5128	LCRE Monthly Progress Report - Analysis and Design	Gray, W.	6/24/63	CRD
CNLM-5129	FY 1963 SNAP-50 Program	Murphy, J.	6/24/63	CRD
CNLM-5130	Meeting with Hamilton Standard Division on June 25, 1963	Cole, P.	7/9/63	U

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CNLM-5131	Estimated Fuel Enrichment for the LCRE Reactor Fuel	Perry, P.	7/2/63	CRD
CNLM-5132	Duty Cycles and Test Environments for Inpile Electrical Control Component Units	Tarasewich, A.	7/9/63	U
CNLM-5133	Recent Discussions Between CANEL and AEC Personnel on UO_2 - BeO Fuel Element Design Have Raised the Question of Why CANEL Has Not Done More Inpile Testing in Fast Flux Regions	Dytko, E.	6/27/63	CRD
CNLM-5134	Report of June 26, Conference on Motor Pumps	Larson, J.	7/9/63	U
CNLM-5135	Trip Report to Aberdeen Proving Grounds	Steele, R.	7/9/63	U
CNLM-5136	Combination Moderator-Fuel Element	Cooper, M.	7/2/63	CRD
CNLM-5137	Preliminary Estimates of Performance, Cost and Schedules for the Development of a Nuclear Powerplant for Aircraft	Doll, W.	7/2/63	CRD
CNLM-5138	Handling and Storage of Colum-bium Pipe Being Fabricated by F. C. Kent Against RPO 980301	Williams, J.	7/16/63	U
CNLM-5139	A Bendix Program for the Calculation of Test Cell Temperature and Pressure versus Time After a Reactor Accident	Zinnes, A.	7/26/63	U
CNLM-5140	Engineering Instruction for 1031849-B9	Parks, A.	7/16/63	U
CNLM-5141	The Following Material was Omitted from Report Number PWAC 631. It is Requested That Recipients Insert the Attached Page Following Page 68	Meyer, R.	7/30/63	CRD
CNLM-5142	Report of Visits to Aerojet-General Nucleonics Atomics International and Sandia Corporation, June 25-27, 1963	Vassallo, D.	7/16/63	U

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CNLM-5143	CANEL Classification Bulletin Number 6	Herron, H.	7/15/63	CRD
CNLM-5144	Trip Report - California Research Corporation Richmond, California 6/17/63, 6/18/63	Patenaude, R.	7/16/63	U
CNLM-5145	With Reference to Your Letter of July 3, 1963 We Have Re- viewed the Effects on Our Development Program, Costs, and Schedules of Additions of Void Space to the LCRE Fuel Elements	Doll, W.	7/8/63	CRD
CNLM-5146	Test Procurement for DeVar Models ES Preamplifier and M584-1 Power Supply	Bennett, D.	7/16/63	U
CNLM-5147	Aircraft Nuclear Turbofan Powerplant	Recen- berger, R.	7/16/63	CRD
CNLM-5148	Westinghouse Visit of June 17th to CANEL	Walton, J.	7/16/63	U
CNLM-5149	From Photographic Notebook: Twelve Prints	n.a.	7/10/63	CRD
CNLM-5150	Gear Box Assembly Electro- mechanical Checkout	Flynn, J.	7/16/63	U
CNLM-5151	Aircraft Nuclear Propulsion Powerplant Parametric Data for Project Forecast	n.a.	7/14/63	CRD
CNLM-5152	LCRE and SNAP-50 Quarterly Progress Report April-June, 1963	Kelly, K.	7/12/63	CRD
CNLM-5153	SNAP-50/SPUR Main Heat Re- jection System Radiator Loop Area and Volume Data for ORNL Corrosion Test	n.a.	7/12/63	CRD
CNLM-5154	Classification of Fuel Element Constituents	Herron, H.	7/12/63	CRD
CNLM-5155	Preliminary Estimates of Per- formance and Weights of Nuclear Powerplants for Aircraft	Doll, W.	7/12/63	CRD
CNLM-5157	Type 316 Stainless Steel Strength Criteria for LCRE	Doak, R.	7/15/63	U

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CNLM-5158	Fatigue Testing of SNAP-50 Design Materials	Karcher, G.	8/21/63	U
CNLM-5159	Theoretical Calculation of the Solubility of Argon in Potassium to 1400°F	Kapelner, S.	7/29/63	U
CNLM-5160	SNAP-50 Fuel Development for April-June, 1963	DeCrescente, M. Caplow, S.	8/7/63	CRD
CNLM-5161	Materials Development for SNAP-50 Motors	Walton, J.	7/24/63	CRD
CNLM-5163	Design Point Selections for Westinghouse Motors	Walton, J. Wood, G.	7/18/63	CRD
CNLM-5165	SNAP-50/SPUR Systems Studies	Murphy, J.	7/17/63	CRD
CNLM-5166	Effectiveness of Shield for NaK Pipe Ducts - LCRE	Larson, A.	7/18/63	U
CNLM-5167	Trip Report: Meeting with Project Forecast Panel to Discuss ANP Data at SSD on July 15, 1963	Perry, P.	7/18/63	CRD
CNLM-5168	SNAP-50/SPUR Projected Schedule & Funding	n.a.	7/17/63	CRD
CNLM-5169	Military Compact Reactor Powerplant Based on the LCRE Reactor and the P&WA FT-12 Gas Turbine	Doll, W.	7/25/63	CRD
CNLM-5170	Interim Report on a Mobile LCRE Powerplant	n.a.	8/29/63	CRD
CNLM-5171	AEC Classification Appraisal	Meyer, R.	7/22/63	U
CNLM-5172	Pump Program Requirements for SNAP-50/SPUR	Works, N.	7/22/63	CRD
CNLM-5173	TIM-708 Data Book on LCRE Reactor Design	Bigelow, C.	7/25/63	U
CNLM-5177	SNAP-50 Fuel Development, January-March, 1963	DeCrescente, M.	7/23/63	CRD
CNLM-5178	Comparison of Pretest and Post-test Cb-3Zr-0.35C Run in Lithium for 200 Hours at 2000F	Geary, A.	7/23/63	CRD

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CNLM-5180	SNAP-50 Fuel Development Summary for July 1963	DeCrescente, M.	7/24/63	CRD
CNLM-5181	Job Number 1775, Job Number 1888 and Job Number 1905 Consisting of Layouts L-101635 Sheets 1 Through 10, L-101781, L-101796, L-101794, L-101795 and L-101828, (Fifteen Layouts)	Tedeschi, V.	7/24/63	CRD
CNLM-5183	Evaluation of Creep Deformation Resistance of Columbium and Tantalum Alloy Tubing	Rowe, G.	7/30/63	CRD
CNLM-5185	Compliance with Design Objective of the Military Compact Reactor (Pages 4 Through 9)	n.a.	7/29/63	CRD
CNLM-5186	Meeting with Edgerton Germeshausen and Grier, Incorporated on July 29, 1963	Cole, P.	7/30/63	U
CNLM-5187	Meeting with Sperry Rand Corporation on June 24, 1963	Cole, P.	7/30/63	U
CNLM-5189	In Response to Your Telephone Inquiry of July 19, 1963, Regarding the Shield Weight for the SNAP-50/SPUR System Reported in CNLM 5118...	Smolen, J.	8/1/63	CRD
CNLM-5190	Supplemental Design Criteria and Specifications for SNAP-50 Motors	Walton, J.	8/7/63	CRD
CNLM-5191	Meeting with American Bosch Arma Corporation August 1, 1963	Cole, P.	8/1/63	U
CNLM-5192	Meetings with and Data Supplied to Project Forecast and Project MPLE	Meyer, R.	8/2/63	CDI
CNLM-5193	Structural Development Problems Using Haynes-25 (Na-Air) Space Boiler in Lieu of Cb-1Zr (Li-NaK)	Gemma, A.	8/20/63	CRD
CNLM-5194	Status Report on Lithium Cavitation Damage Rig, as of July 1, 1963	Kulp, R.	8/6/63	U

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CNLM-5195	A Portable Compact Nuclear Powerplant Using the LCRE Reactor	Perry, P.	9/17/63	CRD
CNLM-5196	Study of Using Helium Coolant in the SNAP-50 Reactor as a Brayton Cycle Space Powerplant	Criso, A.	8/30/63	CRD
CNLM-5197	Additional Subtask on Advanced Materials Program	Greene, R. DeCrescente, M.	8/23/63	CRD
CNLM-5197 (Rev. 1)	Supplement to USAEC Schedule 189, Additional Explanation for Operating Cost	Doll, W.	11/11/63	CRD
CNLM-5198	July 2 Visit to AiResearch	Walton, J.	8/13/63	U
CNLM-5199	Activation of SNAP-50 Generator	Walton, J.	8/21/63	U
CNLM-5200	Monthly Progress Report for July, 1963 Contract NAS 3-2541	Kulp, R.	8/21/63	U
CNLM-5200 (Supp. 1)	Summary of Costs for July, 1963 NASA Contract NAS 3-2541	Heidel, R.	8/21/63	U
CNLM-5201	Monthly Progress Report for August 1963 Contract NAS3-2541	Kulp, R.	9/19/63	U
CNLM-5201 (Supp. 1)	Summary of Costs Through August 31, 1963 NAS3-2541	Whalen, D.	9/19/63	U
CNLM-5202	Investigation of Cavitation Damage of Mechanical Pump Impellers Operating in Liquid Metal Space Power Loops Quarterly Progress Report Number 1, June 26, 1963 to September 30, 1963	Kulp, R. Altieri, J.	10/15/63	U
CNLM-5202 (Supp. 1)	Summary of Costs Through September 30, 1963 NASA Contract NAS 3-2541	Heidel, R.	10/29/63	U
CNLM-5202 (Supp. 2)	Summary of Costs Through September 30, 1963 NASA Contract NAS 3-2541	n.a.	11/13/63	U
CNLM-5203	Monthly Progress Report for October, 1963: NASA Contract NAS 3-2541	Kulp, R.	11/12/63	U

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CNLM-5203 (Supp. 1)	Summary of Cost Thru October 31, 1963 NASA Contract NAS 3-2541	Whalen, R.	11/12/63	U
CNLM-5204	Monthly Progress Report for November 1963, Contract NAS 3-2541	Kulp, R.	12/17/63	U
CNLM-5204 (Supp. 1)	Summary of Costs Through November 30, 1963 NASA Contract NAS 3-2541	n.a.	12/17/63	U
CNLM-5205	Investigation of Cavitation Damage of Mechanical Pump Impellers Operating in Liquid Metal Space Power Loops Quarterly Progress Report Number 2, October 1, 1963 to December 31, 1963	Kulp, R.	1/15/64	U
CNLM-5205 (Supp. 1)	Summary of Costs Through December 31, 1963 NASA Contract NAS 3-2541	n.a.	1/27/64	U
CNLM-5206	Monthly Progress Report for January, 1964, Contract NAS 3-2541	Kulp, R.	2/10/64	U
CNLM-5206 (Supp. 1)	Summary of Costs Through January 31, 1964	Whalen, R.	2/10/64	U
CNLM-5207	Monthly Progress Report for February 1964 Contract NAS 3-2541	Kulp, R.	3/20/64	U
CNLM-5207 (Supp. 1)	Summary of Costs Through February 29, 1964 NASA Contract NAS 3-2541	n.a.	3/20/64	U
CNLM-5208	Investigation of Cavitation Damage of Mechanical Pump Impellers Operating in Liquid Metal Space Power Loops Quarterly Progress Report Number 3 - January 2, 1964 to March 31, 1964	Kulp, R.	4/30/64	U
CNLM-5208 (Supp. 1)	Summary of Costs Through March 31, 1964 NASA Contract NAS 3-2541	n.a.	4/20/64	U
CNLM-5209	Monthly Progress Report for April, 1964 Contract NAS 3-2541	Kulp, R.	5/13/64	U

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CNLM-5209 (Supp. 1)	Summary of Costs Through April 30, 1964 NASA Contract NAS 3-2541	n.a.	5/13/64	U
CNLM-5210	Monthly Progress Report for May 1964 Contract NAS 3-2541	Kulp, R.	6/26/64	U
CNLM-5210 (Supp. 1)	Summary of Costs Through May 31, 1964 NASA Contract NAS 3-2541	Whalen, R.	6/26/64	U
CNLM-5211	Monthly Progress Report for June, 1964 Contract NAS 3-2541	Kulp, R.	7/20/64	U
CNLM-5211 (Supp. 1)	Summary of Costs Through June 30, 1964 NASA Contract NAS 3-2541	Whalen, R.	7/20/64	U
CNLM-5212	Monthly Progress Report for July, 1964 Contract NAS 3-2541	Kulp, R.	8/20/64	U
CNLM-5212 (Supp. 1)	Summary of Costs Through July 31, 1964 - NASA Contract NAS 3-2541	Whalen, R.	8/20/64	U
CNLM-5213	SNAP-50/SPUR System Studies	Bigelow, C.	8/29/63	CRD
CNLM-5214	Proposed SNAP-50 Program Reactor Test	Parks, G.	8/15/63	CRD
CNLM-5215	Program Cost Estimate for Lithium-Cooled Reactor Development. Fiscal Years 1964-1965	n.a.	8/26/63	CRD
CNLM-5216	Program Cost Estimate for Advanced High Temperature Materials. Fiscal Years 1964 - 1965	n.a.	8/26/63	CRD
CNLM-5217	Program Cost Estimate for SNAP-50/SPUR Fiscal Years 1964-1965	n.a.	8/27/63	CRD
CNLM-5218	Budget Estimate for Fiscal Year 1965 (Revised)	n.a.	8/27/63	CRD
CNLM-5218 (Supp. 1)	Supplement Pages for Schedule 45 and 46	n.a.	9/6/63	CRD
CNLM-5219	Justification of Supplement to Purchase Order AEC-68055	Walton, J.	8/30/63	U

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CNLM-5220	Work to be Performed by Joining Group FY '63 and FY '65	Stewart, J.	8/21/63	CRD
CNLM-5221	Meeting with Airborne Instruments Laboratory - August 7, 1963	Cole, P.	8/23/63	U
CNLM-5222	Meeting with Montek, Incorporated August 13, 1963	Cole, P.	8/23/63	U
CNLM-5223	Meeting with Sperry Rand Corporation August 21, 1963	Cole, P.	8/23/63	U
CNLM-5224	Two-Phase Potassium Experimental Work	Kelly, R.	8/29/63	CRD
CNLM-5225	Single Phase Liquid Metal Component Development Work	Kelly, R.	8/29/63	CRD
CNLM-5226	Memos Relating to LCRE Oil Leakage Detector Sensitivity	Schaefer, R.	8/29/63	U
CNLM-5227	SNAP-50 Fuel Development Summary for August, 1963	DeCrescente, M. Caplow, S.	8/29/63	CRD
CNLM-5228	Boiler Test Facilities	Means, H. Costomiris, G.	9/16/63	CRD
CNLM-5228 (Supp. 1)	Boiler Test Facilities	Costomiris, G.	12/5/63	CRD
CNLM-5229	Design Point Selections for AiResearch Motors	Walton, J.	8/26/63	CRD
CNLM-5230	Memo Relating to LCRE Test Cell Wall Mock-Up	Schaefer, R.	8/30/63	U
CNLM-5232	Observations Concerning the Interdiffusion of Cb-1Zr Alloy with Type 316 Stainless Steel	Manziona, A. Huegel, F. Fornwalt, D.	10/3/63	U
CNLM-5233	LCRE Pump Drive Motor Vibration Analysis: Termination Report	Obringer, R.	8/29/63	U
CNLM-5234	Motor Design Conditions for North American Aviation	Walton, J.	8/29/63	CRD
CNLM-5235	Progress on SNAP-50 Fuels Program During August, 1963	Freed, M.	8/29/63	CRD

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CNLM-5236	A.B.E.T. Method for Measuring the Surface Area of Irradiated Sintered Ceramic Fuels	Johnson, J.	11/14/63	U
CNLM-5237	SNAP-50 Reactor Design Requirements	Gaffin, W.	8/28/63	CRD
CNLM-5239	Script for CANEL Film	n.a.	9/6/63	U
CNLM-5239 (Rev. 1)	Script for CANEL Film	n.a.	11/6/63	U
CNLM-5240	CANEL Classification Bulletin Number 7	Herron, H.	9/6/63	CRD
CNLM-5241	Preliminary Report on the CCA-8	Callen, R.	10/2/63	CRD
CNLM-5241 (Supp. 1)	Preliminary Report Number 2 on the CCA-8	Callen, R.	5/28/64	CRD
CNLM-5242	NKSS-B Test Program	Bersin, G.	9/16/63	U
CNLM-5243	Haynes 25 Boiling Heat Transfer Rig	Bernstein, E.	9/16/63	U
CNLM-5243 (Supp. 1)	Cleanliness Requirements for HS-25 Boiling Potassium Loop, BKHT-2 (X-573)	Randall, D.	1/2/64	U
CNLM-5244	Fast Neutron Dose Rate from Shielded Reactor - LCRE	Larson, A.	10/2/63	CRD
CNLM-5245	Welding and Annealing Facility for Refractory Metals. Connecticut Advanced Nuclear Engineering Laboratory, Middletown, Connecticut	Gould, G.	10/3/63	U
CNLM-5246	Full Scale Boiler Test Cost Estimate	Costomiris, G.	9/16/63	U
CNLM-5247	Additional Specifications for New Critical Assembly Parts	Walsh, V.	9/19/63	U
CNLM-5248	Thermal Expansion of Uranium Carbide from 68F to 2800F	Cornie, J.	10/2/63	U

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CNLM-5249	Selection of Frequencies for SNAP-50/SPUR Powerplant as Related to the Pump Motor Program	Walton, J.	9/16/63	CRD
CNLM-5250	LCRE Hazards Termination Report	McNeill, H. Bronke, V.	9/19/63	U
CNLM-5251	Forecast of Special Nuclear Material Requirements U-235 for Period 1/1/64 Through 12/31/64	n.a.	9/12/63	U
CNLM-5252	Forecast of Special Nuclear Material Requirements - Pu for Period 1/1/64 Through 12/31/64	n.a.	9/12/63	U
CNLM-5253	Forecast of Special Nuclear Material Requirements U-233 for Period 1/1/64 Through 12/31/64	n.a.	9/12/63	U
CNLM-5254	SNAP-50 Fuel Irradiation Data	Freed, M.	9/16/63	CRD
CNLM-5254 (Rev. 1)	SNAP-50 Fuel Irradiation Data	Freed, M.	9/30/63	CRD
CNLM-5255	Visit to Airborne Instruments Laboratory, Deer Park, Long Island	Cole, P.	10/2/63	U
CNLM-5257	Application to Remove from Accounting Records SS Materials Resulting from Normal Operational Losses and/or Write-offs. Material Type UO ₂ BeO Specimens	n.a.	9/20/63	CRD
CNLM-5258	Conference with AiResearch on SNAP-50/SPUR Generator Output Characteristics	Walton, J. Works, N.	10/2/63	CRD
CNLM-5259	Study of Methods of Providing Space Environment for Space Reactor Test	Jacobson, R.	10/29/63	U
CNLM-5260	Environmental Conditions Required for Testing Cb-1Zr Alloy at 2000F	Limoncelli, E.	9/30/63	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-5261	Materials Tasks for LCRE SNAP-50/SPUR and Advanced Materials Programs	n.a.	10/9/63	CRD
CNLM-5262	Request for Boiler Test System Layout	Costomiris, G.	10/1/63	CRD
CNLM-6265	Summary of Liquid Metal Compat- ibility Work at CANEL from December 1962 to September 1963	Cleary, R.	9/24/63	CRD
CNLM- 5266	E.M. Pump Requirement	Bernstein, E.	10/1/63	U
CNLM- 5267	SNAP-50 Reactor and Shield Assembly Report - September	Krasnitski, J.	9/26/63	CRD
CNLM-5268	Meeting with Messrs. Barclay and Childs of the Advanced Sea-Base Deterrent Systems Group	Meyer, R.	9/30/63	CDI
CNLM-5270	Minutes of the September 16, 17 and 18 Meeting to Review the SNAP-50/SPUR Program	Frazier, G.	9/30/63	CRD
CNLM 5271	Inpile Fuel Capsule Design Studies	Vassallo, D.	10/8/63	CRD
CNLM-5272	Fast Breeder Reactor Study	d'Arcy, R.	10/10/63	CRD
CNLM-5272 (Supp. 1)	Fast Breeder Reactor Study	d'Arcy, R.	11/11/63	CRD
CNLM-5273	SNAP-50/SPUR 100KW Cb-1Zr Alloy Boiler Test System Proposal	Austin, G. Means, H.	10/2/63	CRD
CNLM-5274	Procurement of Specimens for Thermal Conductivity Measure- ments	Cornie, J.	10/2/63	CRD
CNLM-5275	Presentation of Adapting the SNAP-50 Space Powerplant to a Lunar Base	n.a.	10/8/63	CRD
CNLM-5276	Boiler Test System Pump Re- quirements	Costomiris, G.	10/9/63	CRD
CNLM-5277	Progress on SNAP-50 Fuels Program During September 1963	Freed, M.	10/4/63	CRD

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CNLM-5278	Program Cost Estimate for Lithium-Cooled Reactor Development	n.a.	10/15/63	CRD
CNLM-5279	Program Cost Estimate for Advanced High Temperature Materials Fiscal Years 1964-1965	n.a.	10/15/63	CRD
CNLM-5280	Program Cost Estimate for SNAP-50/SPUR. Fiscal Years 1964-1965	n.a.	10/15/63	CRD
CNLM-5281	Budget Estimate for Fiscal Year 1965 (Revised)	n.a.	10/15/63	CRD
CNLM-5282	Scientific Computer for CANEL	Schmidt, R.	10/28/63	U
CNLM-5282 Rev. 1	Scientific Computer for CANEL	Schmidt, R.	2/21/64	U
CNLM-5282 Supp. 1	Scientific Computer for CANEL - Supplement 1 - Reference CNLM-5282	Doll, W.	12/11/64	U
CNLM-5283	Thick Wall Condensers for Boiler Test Stand Mockup	Horan, J.	10/30/63	U
CNLM-5285	Listed Below is Information Relative to That Requested in Your Letter of September 24, 1963	Frazier, G.	10/4/63	CRD
CNLM-5286	Program Cost Estimate for MCR Criticality Experiment Service. Fiscal Year 1964	n.a.	10/15/63	U
CNLM-5287	Progress Report - Week of September 30, 1963	Parks, G.	10/8/63	CRD
CNLM-5288	Analytical Derivation of the Distribution and Probability Functions of the Sum of Five Independent Variables	Alessandro, L.	12/5/63	U
CNLM-5289	Meeting with Westinghouse Representative on SNAP-50/SPUR Canned Rotor Motors September 26, 1963	McCoy, L.	10/8/63	CRD
CNLM-5290	Nuclear Materials in SS Vault	Bransfield, J.	10/8/63	CRD

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CNLM-5291	Meeting with Gulton Industries October 7, 1963	Cole, P.	10/9/63	U
CNLM-5293	Comparison of SPUR and SNAP-50 Classification Guides	Meyer, R.	10/29/63	CRD
CNLM-5294	NaK Purity Control System	Costomiris, G.	10/30/63	U
CNLM-5295	Results of 9/26/63 Meeting of the Electrical Machinery Group with Westinghouse AEC Engineers	Thomas, E.	10/31/63	CRD
CNLM-5296	BTF Design Analysis	Costomiris, G.	10/31/63	U
CNLM-5297	Nuclear Analysis Summary Re- port Number 1	Alwang, W.	10/11/63	CRD
CNLM-5297 Supp. 1	Nuclear Analysis Summary Re- port Number 2	Alwang, W.	10/31/63	CRD
CNLM-5297 Supp. 2	SNAP-50 Nuclear Analysis Sum- mary Report Number 3	Johnson, H.	12/31/63	CRD
CNLM-5298	Conditions Used in Sizing the AiResearch Boiler Sketch Drawing 179485	Centofanti, A.	10/11/63	CRD
CNLM-5299	SNAP-50 Control Drive Ground Rules	Shuford, S.	10/11/63	CRD
CNLM-5300	Weekly Progress Report - October 11, 1963	Parks, G.	10/14/63	CRD
CNLM-5302	MCR Powerplant Study - Esti- mated Maximum Allowable Mixed Temperature of Potassium from the Reheater and Secondary Heat Exchanger for the Rematched Turbine	Stewart, O.	10/30/63	CRD
CNLM-5303	NKHS-A Boiling Potassium Loop Design	Bersin, G.	10/31/63	U
CNLM-5304	Progress Report for Third Quarter 1963	Freed, M.	10/16/63	CRD
CNLM-5305	Analog Program to Determine Temperature Distribution	Rose, G.	12/5/63	U
CNLM-5306	Consolidation of Fuel Material Research and Development	DeCrescente, M.	10/29/63	CRD

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CNLM-5307	CANEL Classification Bulletin Number 8	Herron, H.	10/28/63	CRD
CNLM-5308	Fuel Clearance Loading Experiment Using BeO-UO ₂ Fuel	French, W.	10/17/63	CRD
CNLM-5311	Weekly Progress Report - Week Ending October 18, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	10/29/63	CRD
CNLM-5312	Heat Rejection Bi-Metallic System Area Ratios	Centofanti, A.	10/29/63	CRD
CNLM-5313	Weekly Progress Report - October 18, 1963	Parks, G.	10/29/63	CRD
CNLM-5314	Structural Alloy from SNAP-50 Pump	Cleary, R.	10/29/63	CRD
CNLM-5316	Meeting on Fuels Development Program	Doak, R.	10/29/63	CRD
CNLM-5317	Boiling Potassium Loop NKSS-C	Donnelly, E.	11/11/63	U
CNLM-5317 Supp. 1	Boiling Potassium Loop NKSS-C	Randall, D.	2/27/64	U
CNLM-5318	Shield Calculations for the Lunar Base Powerplant	n.a.	10/29/63	CRD
CNLM-5319	Trip Report AiResearch, Phoenix, Arizona	Works, N.	10/24/63	CRD
CNLM-5320	Meeting at WPAFB on October 21	Meyer, R. Gaffin, W.	10/29/63	CRD
CNLM-5321	Meeting with General Electric October 22, 1963	Cole, P.	10/31/63	U
CNLM-5322	Boiler Test Facility Design Requests	Costomiris, G.	10/30/63	U
CNLM-5322 Supp. 1	SNAP-50 Prototype Boiler Test	Overman, A.	12/31/63	U
CNLM-5322 Supp. 2	Pump Duct Orientation Study	Costomiris, G.	5/5/64	U

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CNLM-5323	SNAP-50/SPUR Corrosion Program Meeting, October 7, 1963	Austin, G.	10/29/63	CRD
CNLM-5324	Trip to Westinghouse Aerospace Electrical Division on October 17, 1963	Walton, J.	11/11/63	CRD
CNLM-5325 Vols. 1-5	Proposal - Second Generation Portable Nuclear Powerplant	Doll, W.	11/18/63	CRD
CNLM-5326	Activation of Electrical Machinery	Walton, J.	11/11/63	U
CNLM-5326 Supp. 1	Activation of Electrical Machinery	Smolen, J.	11/15/63	U
CNLM-5327	Progress Report - Week Ending October 25, 1963	Parks, G.	10/29/63	CRD
CNLM-5329	Report - Week Ending October 23, 1963	Raring, L.	10/28/63	CRD
CNLM-5330	Haynes 25 Boiling Potassium Heat Transfer Rig (BKHT-2)	Bernstein, E.	11/11/63	U
CNLM-5331	Writing Style Guide	Connolly, P.	1/31/64	U
CNLM-5331 Rev. 1	Report Writing Guide	Connolly, P.	2/17/65	U
CNLM-5332	Technical Information	Doll, W.	11/11/63	U
CNLM-5333	Cost Estimate for SNAP-50/SPUR by Sub-Task. Fiscal Years 1964-1965 Contract AT(30-1)-2789	n.a.	11/1/63	CRD
CNLM-5334	Cost Estimate for Advanced Materials by Sub-Task. Fiscal Years 1964-1965 Contract AT (30-1)-2789	n.a.	11/1/63	CRD
CNLM-5335	Cost Estimate for Lithium-Cooled Reactor Experiment by Sub-Task Fiscal Years 1964-1965 Contract AT(30-1)-2789	n.a.	11/1/63	CRD
CNLM-5336	Structural Alloy Development for SNAP-50 Primary System	Kuhns, R.	10/29/63	CRD
CNLM-5337	Release of Information to the Public	Coyle, G.	3/4/64	U

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CNLM-5338	Hazards Discussion for the MCR Proposal	McNeill, H.	10/30/63	CRD
CNLM-5339	Boiler and Condenser Tube Wall Thickness	Horan, J.	11/11/63	CRD
CNLM-5340	SNAP-50/SPUR Reference Design Number 1	Murphy, J.	12/19/63	CRD
CNLM-5341	Graphical Results of Fission Rate Studies Made in the Critical Experiments on the CCA-5, 12 x 12 (311) B6-6 Assembly ...	Kennedy, W.	10/31/63	CRD
CNLM-5342	Progress on SNAP-50 Fuel Development During October, 1963	Freed, M.	10/31/63	CRD
CNLM-5343	Weekly Progress Report - Week Ending November 1, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	11/4/63	CRD
CNLM-5344	Procurement of Coated Pellets - Sole Source: General Atomic	Woodburn, W.	11/11/63	CRD
CNLM-5345	Progress Report - Week of October 28, 1963	Parks, G.	11/4/63	CRD
CNLM-5346	Report, Week Ending November 1, 1963	Raring, L.	11/4/63	CRD
CNLM-5347	Trip Report	Shuford, S.	11/11/63	CRD
CNLM-5348	Trip Report MTR/ETR Site Idaho Falls, Idaho, Battelle Memorial Institute, Columbus, Ohio	Vercellone, P. Vassallo, D.	11/11/63	U
CNLM-5349	A Study of Convergence of the "Rapid Convergence" TDC Deck, B-515, in Conjunction with a Material Coefficient Study of the ZPR III, Assembly 40	Johnson, C.	1/15/64	U
CNLM-5350	An Apparatus for Gravimetric Determination of the Effects of Low Pressure Oxidation	Harrison, R. Delgrosso, E.	12/10/62	U
CNLM-5351	Low Pressure Oxidation of Columbium - 1 Zirconium	Harrison, R.	6/11/64	U
CNLM-5352	The SNAP-50/SPUR Development Program	Meyer, R.	11/5/63	CRD

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CNLM-5353	Irradiation Request, UC with Voids	Caplow, S.	11/11/63	CRD
CNLM-5354	Specification for High Frequency Linear Induction Electromagnetic Pump	Walton, J.	11/13/63	U
CNLM-5354 Supp. 1	Specification for High Frequency Linear Induction Electromagnetic Pump	Edgerly, G.	2/24/64	U
CNLM-5354 Supp. 2	Design Report for Linear Induction Electromagnetic Pump Model 5KY414AA1	Gehan, J.	7/7/64	U
CNLM-5355	Proposal to Conduct Post Irradiation Analyses of Specimens from Three Capsules	Doll, W	12/10/63	CRD
CNLM-5355 Supp. 1	Proposal to Conduct Post Irradiation Analysis of Specimens from an Irradiated Capsule MCR 4	Doll, W.	7/22/64	CRD
CNLM-5355 Supp. 2	Post Irradiation Analysis of Specimens from Irradiated Capsules MCR 5 and 6	Doll, W.	7/29/64	U
CNLM-5355 Supp. 3	Post-Irradiation Examination of Specimens from MCR Capsule Number 4	Scotti, V.	11/3/64	CRD
CNLM-5355 Supp. 4	Prints of Photomicrographs Pertinent to CNLM-5355, Supplement 3	Scotti, V.	12/2/64	CRD
CNLM-5355 Supp. 5	Prints of Photographs Taken for Capsule NDA Number 70 (MCR Number 4)	Scotti, V.	12/2/64	CRD
CNLM-5355 Supp. 6	Prints of Photographs Taken for Capsule NDA Number 70 (MCR Number 4)	Scotti, V.	12/9/64	U
CNLM-5356	Weekly Progress Report - November 8, 1963	Parks, G.	11/11/63	CRD
CNLM-5357	Weekly Progress Report - Week Ending November 8, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	11/11/63	CRD

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CNLM-5358	Report - Week Ending November 8, 1963	Raring, L.	11/11/63	CRD
CNLM-5359	Alkali Metal Corrosion I. Maximum Temperature Application of Sodium-NaK/Stainless Steel	Schenck, G. Cleary, R.	10/1/64	CRD
CNLM-5360	Reactor and Shield Parametric Data for the Advanced Sea-Base Deterrent System Studies	Perry, P.	11/15/63	CRD
CNLM-5361	Minutes of Meeting with Ai-Research on October 31 - November 1, 1963	Centofanti, A.	11/13/63	CRD
CNLM-5362	Design Conditions for Task II Motors Under Purchase Order AEC 68055	Walton, J.	11/13/63	CRD
CNLM-5363	Procurement of Test Facilities and Relocation of Instrument Laboratory	Gibsky, J.	11/20/63	U
CNLM-5365	Fuel Irradiation Tabulation	Freed, M.	11/13/63	CRD
CNLM-5365 Supp. 1	Fuel Irradiation Tabulation	Freed, M.	1/24/64	CRD
CNLM-5366	Strength Requirement for Present Design Cladding	Rowe, G.	11/14/63	CRD
CNLM-5368	CANEL Fuel Irradiation Test Program	Doak, R.	2/5/64	CRD
CNLM-5368 Supp. 1	CANEL Fuel Irradiation Test Program	Doak, R.	3/16/64	CRD
CNLM-5368 Supp. 2	CANEL Fuel Irradiation Test Program	Doak, R.	4/9/64	CRD
CNLM-5368 Supp. 3	CANEL Fuel Irradiation Test Program	Doak, R.	7/10/64	CRD
CNLM-5368 Supp. 4	CANEL Fuel Irradiation Test Program	Doak, R.	9/25/64	CRD
CNLM-5368 Supp. 5	CANEL Fuel Irradiation Test Program	Doak, R.	11/5/64	CRD
CNLM-5368 Supp. 6	CANEL Fuel Irradiation Test Program	Doak, R.	12/30/64	CRD

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CNLM-5368 Supp. 7	CANEL Fuel Irradiation Test Program	Doak, R.	2/12/65	CRD
CNLM-5368 Supp. 8	CANEL Fuel Irradiation Test Program	Doak, R.	4/19/65	CRD
CNLM-5369	Minutes of Design Conference on NKHS-A Boiling Potassium Loop	Bersin, G.	11/15/63	U
CNLM-5370	Additional SNAP-50 Powerplant Data Information Requested by Westinghouse Astronuclear for Lunar Base Study	Perry, P.	11/18/63	CRD
CNLM-5370 Supp. 1	Addendum to CNLM-5370 - Additional SNAP-50 Powerplant Information Requested by Westinghouse Astronuclear for Lunar Base Study	Perry, P.	11/21/63	CRD
CNLM-5371	Coatings for Nickel Alloy Lithium Containment Vessels	Hirakis, E.	11/15/63	CRD
CNLM-5373	Weekly Progress Report - Week Ending November 15, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	11/15/63	CRD
CNLM-5374	Weekly Progress Report November 15, 1963	Parks, G.	11/15/63	CRD
CNLM-5375	Report: Week Ending 11/15	Raring, L.	11/18/63	CRD
CNLM-5376	AiResearch Radiator Design	Horan, J.	11/18/63	U
CNLM-5377	Advisability of Continuing Operation of the Non-nuclear Systems Test in the Heat Exchanger Laboratory	Doll, W.	11/18/63	CRD
CNLM-5378	Evaluation of Rocketdyne Dry Turbine Study	Daum, N.	12/5/63	CRD
CNLM-5379	Tabulations Listing 48 Irradiation Capsules to be Fabricated During Period December 1963 to April 1964	DeCrescente, M.	11/18/63	CRD
CNLM-5380	Trip Report Oak Ridge National Laboratory, Oak Ridge, Tennessee	Vercellone, P. Ackermann, W.	12/5/63	U

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CNLM-5381	Report on ANS Conference on Problems of Operating Research and Power Reactors, October 21-23, 1963	Crume, E.	12/5/63	U
CNLM-5382	Site Survey for the Large Sodium Pump Test Facility	Doll, W.	12/9/63	U
CNLM-5383	Capsule Numbers for Fuel Irradiation Specimens	Doak, R.	11/20/63	CRD
CNLM-5383 Supp. 1	Capsule Numbers for Fuel Irradiation Specimens	Doak, R.	1/30/64	CRD
CNLM-5383 Supp. 2	Capsule Numbers for Fuel Irradiation Specimens	Vassallo, D.	2/17/64	CRD
CNLM-5383 Supp. 3	Capsule Numbers for the Single Long Fuel Specimens in Interim Program	Ackermann, W.	4/2/64	CRD
CNLM-5383 Supp. 4	Revised Capsules Numbers for the Single Long Fuel Specimens in Interim Programs	Ackermann, W.	4/27/64	CRD
CNLM-5383 Supp. 5	Capsule Numbers	Ackermann, W.	6/22/64	CRD
CNLM-5383 Supp. 6	Capsule Numbers	Vassallo, D.	6/26/64	CRD
CNLM-5383 Supp. 7	Capsule Numbers	Ackermann, W.	10/12/64	CRD
CNLM-5383 Supp. 8	Capsule Numbers	Vassallo, D.	11/5/64	CRD
CNLM-5383 Supp. 9	Capsule Numbers	Ackermann, W.	11/11/64	CRD
CNLM-5383 Supp. 10	Capsule Numbers	Ackermann, W.	12/7/64	CRD
CNLM-5383 Supp. 11	Capsule Numbers	Ackermann, W.	12/15/64	CRD
CNLM-5383 Supp. 12	Capsule Numbers	Ackermann, W.	12/21/64	CRD
CNLM-5383 Supp. 13	Capsule Numbers	Lindemann, G.	1/11/65	CRD

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CNLM-5383 Supp. 14	Capsule Numbers	Caplow, S.	4/7/65	U
CNLM-5383 Supp. 15	Numbers for B-18 Capsules	Caplow, S.	5/20/65	CRD
CNLM-5384	The Process in Question is Apparently a 'Molybdenizing' Treatment Which Provides a Molybdenum Rich 'Case' to Depths of .003 or .004 Inch	Raring, L.	11/22/63	CRD
CNLM-5385	Special Instrumentation Requirements and Problems Foreseen for the Full-scale Boiler Test	Ford, J.	12/31/63	CRD
CNLM-5385 Supp. 1	Special Instrumentation Requirements and Problems Foreseen for the Full-scale Boiler Test	Ford, J.	1/24/64	U
CNLM-5386	SNAP-50/SPUR Motor Design Criteria and Specifications for General Electric Studies	Walton, J.	12/6/63	CRD
CNLM-5387	Specimen Containers for Future Capsule Irradiation Program	Huegel, F.	11/21/63	CRD
CNLM-5388	Weekly Progress Report - Week Ending November 22, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	11/22/63	CRD
CNLM-5389	Weekly Progress Report - November 22, 1963	Parks, G.	11/22/63	CRD
CNLM-5390	Report: Week Ending 11/22	Raring, L.	11/22/63	CRD
CNLM-5392	Use of Boiler Test Facility for Turbo-alternator Test	Costomiris, G.	12/11/63	CRD
CNLM-5393	Material for 17th High Temperature Fuels Committee Meeting	DeCrescente, M.	12/2/63	CRD
CNLM-5394	Progress on SNAP-50 Fuel Development During November 1963	Freed, M.	12/10/63	CRD
CNLM-5395	Electromagnetic Pump Evaluation for SNAP-50/SPUR	Walton, J.	12/9/63	CRD

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CNLM-5396	Analytical Design Work Schedule for Inpile Capsules	Ackermann, W.	12/9/63	CRD
CNLM-5396 Rev. 1	Analytical Design Work Schedule for Inpile Capsule	Ackermann, W.	1/20/64	CRD
CNLM-5396 Rev. 2	Design Analytical Work Schedule for Inpile Capsules	Ackermann, W.	2/27/64	CRD
CNLM-5396 Rev. 3	Inpile Capsule - Analytical Design Request	Vassallo, D.	3/19/64	CRD
CNLM-5396 Rev. 4	Design Analytical Work Request for Inpile Capsules	Ackermann, W.	4/20/64	CRD
CNLM-5396 Rev. 5	Advanced Fuel Program - Inpile Capsules	Ackermann, W.	11/12/64	CRD
CNLM-5397	Second Build of Haynes 25 Boiling Potassium Heat Transfer Rig (BKHT-2)	Rose, G.	12/5/63	U
CNLM-5398	Safety Inspection of Nuclear Physics Laboratory	n.a.	1/16/64	U
CNLM-5399	Addition to "Cartridge-Fuel Tabulation"	Doyle, J. Caplow, S.	12/31/63	CRD
CNLM-5399 Supp. 1	Addition to "Cartridge-Fuel Tabulation"	Doyle, J. Caplow, S.	1/7/64	CRD
CNLM-5399 Supp. 2	Addition to "Cartridge-Fuel Tabulation"	Doyle, J.	2/7/64	CRD
CNLM-5400	Self-shielding Factors for U ²³⁸	Loffreda, J.	12/11/63	CRD
CNLM-5401	Trip Report to AiResearch (Los Angeles) November 14-15, 1963	Horan, J.	12/31/63	CRD
CNLM-5402	Parallel Condenser Operation	Horan, J.	12/31/63	U
CNLM-5403	Lecture at UAC Research on Photographic Studies of Pool Boiling	Horan, J.	12/31/63	U
CNLM-5405	SNAP-50 Extended Performance Capability	Daum, N. d'Arcy, R.	12/31/63	CRD
CNLM-5406	Potassium Boiling (6)	Horan, J.	1/2/64	U

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CNLM-5407	Request for Summary of CANEL Initiated BeO Investigations	Doak, R.	12/11/63	U
CNLM-5408	A DSN Spherical Mockup Evaluation of Shield Effect on Reactivity and Reactor Control for SNAP-50	Johnson, C.	1/2/64	CRD
CNLM-5409	Report: Week Ending 12/7/63	Raring, L.	12/9/63	CRD
CNLM-5410	Weekly Progress Report - Two Weeks Ending December 6, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	12/9/63	CRD
CNLM-5411	Weekly Progress Report - December 6, 1963	Parks, G.	12/9/63	CRD
CNLM-5413	Haynes 25 Boiling Potassium Heat Transfer Rig (BKHT-2)	Rose, G.	12/31/63	U
CNLM-5415	Space Brayton Cycle	Perry, P.	3/26/64	CRD
CNLM-5416	Post-test Examination of Boiler Loop NKSSB, X-585	Donnelly, E.	12/31/63	U
CNLM-5419	Weekly Progress Report - Week Ending December 13, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	12/31/63	CRD
CNLM-5420	Weekly Progress Report December 13, 1963	Parks, G.	12/31/63	CRD
CNLM-5421	Week Ending 12/13/63	Raring, L.	12/31/63	CRD
CNLM-5422	Development of High Temperature SNAP Reactors	Perry, P.	12/16/63	CRD
CNLM-5423	Trip Report - Visit to ORNL December 4-6, 1963	Huegel, F.	12/31/63	CRD
CNLM-5424	Minutes of December 10 Power-plant Status Report	Frazier, G.	12/18/63	CRD
CNLM-5425	Second Build of Haynes-25 Boiling Potassium Heat Transfer Rig (BKHT-2)	Rose, G.	1/16/64	U
CNLM-5426	Deep Diving Submarine Power-plant Study	Donaghy, C. Rib, L.	12/26/63	CRD

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CNLM-5428	Electric Propulsion and Power Conditioning	Works, N.	12/24/63	CRD
CNLM-5430	Proposal for a SNAP-50 Concept Reactor Analysis Program	Johnson, C.	1/24/64	CRD
CNLM-5431	Second Build of Haynes - 25 Boiling Potassium Heat Transfer Rig (BKHT-2)	Rose, G.	12/31/63	U
CNLM-5432	Development of Weld Techniques for Liquid Metal Exposed Cb-1 Zr	Costomiris, G.	12/31/63	CRD
CNLM-5432 Supp. 1	Development of Weld Techniques for Liquid Metal Exposed Cb-1 Zr	Costomiris, G.	2/20/64	CRD
CNLM-5433	Weekly Progress Report - December 20, 1963	Parks, G.	12/31/63	CRD
CNLM-5434	Weekly Progress Report - Week Ending December 20, 1963 Parametric Design Studies and Physics Development	Kennedy, W.	12/31/63	CRD
CNLM-5435	Report for Week Ending 12/20/63	Raring, L.	12/31/63	CRD
CNLM-5436	This Letter Summarizes the Information Transmitted to you at Our Meeting at P&WA, CANEL on November 18, 1963 Attachment (1) CRD SNAP-50/SPUR Heat Rejection System Sizing Attachment (2) CRD SNAP-50/SPUR Heat Rejection System Design Data	Centofanti, A.	12/24/63	CRD
CNLM-5437	Work Statement for Purchase Order Number A60432 to Southwest Research Institute	n.a.	12/24/63	U
CNLM-5438	Minutes of December 10-11, 1963 with ORNL and AiResearch	Centofanti, A.	12/27/63	CRD
CNLM-5439	Materials for Lithium Pump	Rowe, G.	12/26/63	CRD
CNLM-5440	Meeting with Mr. Dorian Shainan Statistical Consultant of Rath and Strong Incorporated	Hoey, M.	1/7/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-5441	Schedule for Second Build of Haynes-25 Boiling Potassium Heat Transfer Rig (BKHT-2) X-573	Rose, G.	12/31/63	U
CNLM-5442	Weekly Progress Report December 27, 1963	Parks, G.	12/31/63	CRD
CNLM-5443	Weekly Progress Report - Week Ending December 27, 1963 Parametric Design Studies and Physics Development	Richings, H.	12/31/63	CRD
CNLM-5444	Progress Report - Week Ending December 28th	Raring, L.	12/31/63	CRD
CNLM-5445	Visit to Underwater Ordnance Laboratory, Newport, to Discuss Nuclear Powerplant Requirements	Rib, L. Donaghy, C. Chalfant, A.	12/31/63	CRD
CNLM-5446	SNAP-50/SPUR Weight Category Definitions	Gaffin, W.	1/16/64	U
CNLM-5447	SNAP-50 Reactor and Shield Design Schedule	Banach, H.	12/31/63	CRD
CNLM-5449	Progress on SNAP-50 Fuel Development During December 1963	Freed, M.	1/8/64	CRD
CNLM-5450	Weekly Progress Report - Week Ending January 3, 1964 Parametric Design Studies and Physics Development	Kennedy, W.	1/8/64	CRD
CNLM-5451	Procurement of Materials	Lomerson, E.	1/7/64	CRD
CNLM-5452	Weekly Progress Report January 3, 1964	Parks, G.	1/7/64	CRD
CNLM-5453	Week Ending January 3, 1964	Raring, L.	1/8/64	CRD
CNLM-5454	Qualified Bidders for SNAP-50 Controls Development Project	Cole, P.	1/16/64	U
CNLM-5455	Material Information Required for Design of L. M. Pumps	Lomerson, E.	1/8/64	CRD
CNLM-5456	We Have Initiated a Request Through Normal Channels for the Facility Clearances for a Number of Materials, Suppliers and Processing Companies	Doll, W.	1/7/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-5457	Columbium Tubing Alloy Specimens	McBride, V.	1/16/64	U
CNLM-5457 Supp. 3	Cb Tubing Clad Specimens	McBride, V.	1/30/64	U
CNLM-5457 Supp. 5	PO AEC 77229, 77230 R.S. 5447 (5) 6561 (1)	McBride, V.	2/20/64	U
CNLM-5457 Supp. 6	PO AEC 77230 R.S. 5972	McBride, V.	3/4/64	U
CNLM-5457 Supp. 7	PO AEC 77230 R.S. 7175	McBride, V.	3/12/64	U
CNLM-5457 Supp. 8	PO AEC 76476 R.S. 6667	McBride, V.	3/12/64	U
CNLM-5458	Development of High Temperature SNAP Reactors	Perry, P.	1/7/64	CRD
CNLM-5459	Meeting on Structural Alloy Development Program	Doak, R.	1/24/64	CRD
CNLM-5460	Test Program for 10 Inch Diameter Pressure Vessels	Parks, A.	1/9/64	CRD
CNLM-5461	Progress Report for Fourth Quarter 1963	DeCrescente, M. Freed, M.	1/16/64	CRD
CNLM-5462	High Temperature Technology for the SNAP-50 Nuclear Electric Space Powerplant	Chalfant, A.	1/9/64	CRD
CNLM-5463	Weekly Progress Report - Week Ending January 10, 1964 Parametric Design Studies and Physics Development	Kennedy, W.	1/16/64	CRD
CNLM-5464	Weekly Progress Report January 10, 1964	Parks, G.	1/16/64	CRD
CNLM-5465	Weekly Report - 1/10/64	Raring, L.	1/16/64	CRD
CNLM-5468	Preliminary Notes on the Proposed Advanced Alloy Development Pro- gram for FY 1965	Raring, L.	1/15/64	CRD
CNLM-5469	Comments on Westinghouse-Astro- nuclear Lunar Base Study - Interim Report	Perry, P.	1/17/64	CRD

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CNLM-5470	Photon Spectrum Weighted Be (Gamma, n) Cross Section	Loffreda, J.	1/24/64	U
CNLM-5471	In Accord with Your Recent Verbal Request, We are Furnishing Below a Brief Outline of Our Facilities Requirements for the SNAP-50 Program as We Understand It For Fiscal Year 1966 through 1969	Doll, W.	1/16/64	CRD
CNLM-5472	Preliminary Study of an Under- water Powerplant	d'Arcy, R. Sinko, G.	3/26/64	CRD
CNLM-5473	Weekly Progress Report - Week Ending January 17, 1964 Parametric Design Studies and Physics Development	Kennedy, W.	1/24/64	CRD
CNLM-5474	Weekly Progress Report January 17, 1964	Parks, G.	1/17/64	CRD
CNLM-5475	Ten-inch Diameter Pressure Vessel Test Program	Kalinowski, A. Gemma, A.	3/25/64	CRD
CNLM-5476	Weekly Report - 1/17/64	Raring, L.	1/24/64	CRD
CNLM-5477	Classified XM-1108	Lomerson, E.	1/22/64	U
CNLM-5478	Classified XM-1109	Lomerson, E.	1/22/64	CRD
CNLM-5479	Classified XM-1110	Lomerson, E.	1/22/64	CRD
CNLM-5480	Script to Accompany Film Entitled "Simulated Radiator Failure Experiments"	n.a.	1/24/64	CDI
CNLM-5481	Furnace Qualification, Wolverine Tube Company, December 19, 1963	McBride, V.	1/23/64	U
CNLM-5481 Supp. 1	Furnace Qualification, 2900F Wolverine Tube Company February 5, 1964	McBride, V.	3/3/64	U
CNLM-5482	Weekly Progress Report - January 24, 1964	Parks, G.	1/24/64	CRD
CNLM-5483	Weekly Progress Report - Week Ending January 24, 1964 - Parametric Design Studies and Physics Development	Fader, W.	1/27/64	CRD

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CNLM-5484	Weekly Report - 1/24/64	Raring, L.	1/27/64	CRD
CNLM-5485	Report on a Day at the January American Physical Society National Meeting	Keller, C.	1/29/64	U
CNLM-5486	Justification of PWC-11, PWC-33 and D-43 Ingot Order	Lomerson, E.	1/28/64	CRD
CNLM-5486 Supp. 1	Justification of PWC-11 and PWC-33 Ingot Order	Lomerson, E.	2/27/64	CRD
CNLM-5487	Mechanical Testing Program on PWC-11, PWC-33 and D-43 Alloys	Lomerson, E.	1/30/64	CRD
CNLM-5488	Schedule for Obtaining Mechanical Properties on PWC-11, PWC-33 and D-43 Alloys	Lomerson, E.	2/7/64	CRD
CNLM-5490	Review of Nuclear Facilities Group Operations 1956 through 1963	Brown, A.	1/31/64	U
CNLM-5491	Nuclear Facilities Group - Termination Report	Hedden, D.	1/23/64	U
CNLM-5492	Systems Integration Group Weekly Report January 27 - 31, 1964	Meyer, R.	1/31/64	CRD
CNLM-5493	Weekly Progress Report - January 31, 1964	Parks, G.	1/31/64	CRD
CNLM-5494	Weekly Progress Report - Week Ending January 31, 1964 - Parametric Design Studies and Physics Development	Fader, W. Richings, H.	2/3/64	CRD
CNLM-5495	Weekly Report - 1/31/64	Dytko, E.	2/3/64	CRD
CNLM-5496	Forging Drawings	Doak, R.	2/3/64	CRD
CNLM-5497	Report on Trip to California to Discuss Power Conditioning Equipment of Ion Engines	Chalfant, A.	2/4/64	CRD
CNLM-5498	Classified Alloy No. XM-1113	E. O. Lomerson	2/7/64	CRD
CNLM-5499	Evaluation of Test Reactors Suitable for Fuel Capsule Irradiations	Vassallo, D.	2/27/64	CRD

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CNLM-5501	Classified XM-1115	Lomerson, E.	2/7/64	CRD
CNLM-5503	Comments on the UO ₂ -BeO Reactor Design by Westinghouse Astronuclear for the Lunar Base Study	Perry, P.	2/5/64	CRD
CNLM-5504	SNAP-50/SPUR Nuclear Power-plant Test Facility Concept	n.a.	2/13/64	U
CNLM-5505	Discussions of Space Radiator Technolgy During Trip to California January 24-29, 1964	Chalfant, A.	2/6/64	CRD
CNLM-5508	Forecast of Special Nuclear Material Requirements U-233 for Period 7/1/64 Through 6/30/65	n.a.	2/7/64	U
CNLM-5509	Forecast of Special Nuclear Material Requirements Pu for Period 7/1/64 through 6/30/65	n.a.	2/7/64	U
CNLM-5510	Forecast of Special Nuclear Material Requirements U-235 for Period 7/1/64 Through 6/30/65	n.a.	2/7/64	U
CNLM-5511	300 KWE SNAP-50/SPUR Power-plant Characteristics Summary	Meyer, R.	5/15/64	CRD
CNLM-5512	Weekly Progress Report - Week Ending, February 7, 1964	Fader, W.	2/7/64	CRD
CNLM-5513	CANEL Classification Bulletin Number 9	Herron, H. Walton, J.	3/4/64	CRD
CNLM-5514	Systems Integration Group Weekly Report - February 3-7, 1964	Meyer, R.	2/7/64	CRD
CNLM-5515	Weekly Progress Report February 7, 1964	Parks, G.	2/7/64	CRD
CNLM-5516	Weekly Report - 2/7/64	Raring, L.	2/10/64	CRD
CNLM-5517	This Letter Summarizes Our Telephone Conversation on February 6, 1964, Regarding Shielding Measurement Underway at the Tower Shielding Facility.....	Fader, W.	2/10/64	CRD

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CNLM-5519	Classified XM-1117	Lomerson, E.	2/21/64	CRD
CNLM-5520	Classified XM-1118	Lomerson, E.	2/21/64	CRD
CNLM-5521	Classified XM-1119	Lomerson, E.	2/21/64	CRD
CNLM-5522	Classified XM-1120	Lomerson, E.	2/21/64	CRD
CNLM-5523	Classified XM-1121	Lomerson, E.	2/21/64	CRD
CNLM-5524	Classified XM-1122	Lomerson, E.	2/21/64	CRD
CNLM-5525	Classified XM-1123	Lomerson, E.	2/21/64	CRD
CNLM-5526	Classified XM-1124	Lomerson, E.	2/21/64	CRD
CNLM-5527	Classified XM-1125	Lomerson, E.	2/21/64	CRD
CNLM-5528	Progress Report for January, 1964	Chalfant, A.	2/11/64	CRD
CNLM-5529	Cb Tubing Alloy Specimen	McBride, V.	2/13/64	U
CNLM-5529 Supp. 1	PO AEC 76429 R.S. 4925	McBride, V.	3/3/64	U
CNLM-5529 Supp. 2	PO AEC 76479 R.S. 5250	McBride, V.	3/12/64	U
CNLM-5530	Optimum Serpentine Boiler Design Specifications	Bernstein, E.	2/3/64	CRD
CNLM-5531	Storage of CEND Fuel Rods in the CAFEE Building	Crume, E.	2/27/64	U
CNLM-5531 Supp. 1	Storage of CEND Fuel Rods in the CAFEE Building	Crume, E.	3/3/64	U
CNLM-5532	Minutes of the January 15 and 16, 1964 Meeting to Discuss SNAP-50/SPUR Heat Transfer	Centofanti, A.	3/3/64	CRD
CNLM-5533	Substantiation of General Electric Electric Company as Source for a High Frequency Linear Induction Pump - Specification CNLM-5354	Edgerly, G.	2/24/64	U
CNLM-5536	Weekly Progress Report, Week Ending February 14, 1964	Fader, W.	2/14/64	CRD

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CNLM-5537	Construction Completion Report Welding and Annealing Chamber and Clean Room - CANEL	Gould, G. Johnson, C.	3/25/64	U
CNLM-5538	Systems Integration Group Weekly Report February 10 - 14, 1964	Meyer, R.	2/14/64	CRD
CNLM-5539	Weekly Progress Report February 14, 1964	Parks, G.	2/14/64	CRD
CNLM-5540	Weekly Report - 2/14/64	Raring, L.	2/17/64	CRD
CNLM-5541	Interim Irradiation Specimen Description 2/17/64	DeCrescente, M.	6/10/64	CRD
CNLM-5542	Projects: A-766 and A-809	Delgrosso, E.	2/18/64	CRD
CNLM-5543	Ultra High Vacuum Environment Testing	Limoncelli, E.	2/18/64	CRD
CNLM-5544	A Request for Proposals to Study Powerplants for the LEPT (Long Endurance Patrolling Torpedo) Has Been Sent to Us	Doll, W.	2/18/64	CRD
CNLM-5545	Classification Bulletin No. 10	Herron, H.	2/27/64	CRD
CNLM-5546	Reactor Ground Test Plans and Goals	Parks, G.	2/20/64	CRD
CNLM-5547	Alloy Material on Hand or Ordered- February 19, 1964	Leeper, H.	2/20/64	CRD
CNLM-5548 Supp. 2 Vol. 1	SNAP-50/SPUR Pump Motor De- velopment Program Subcontract Volume I - General Specifications	n.a.	9/21/64	U
CNLM-5549	Weekly Progress Report Week Ending February 21, 1964	Fader, W.	2/21/64	CRD
CNLM-5550	Classification Bulletin Number 11	Meyer, R.	3/3/64	CRD
CNLM-5550 Rev. 1	Classification Bulletin Number 11 - Revised	Meyer, R.	3/12/64	CRD
CNLM-5551	Information from NASA Space Radiator and Condenser Test Facility	Bernstein, E.	3/4/64	U

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CNLM-5552	Systems Integration Group Weekly Report - February 17- 21, 1964	Meyer, R.	2/24/64	CRD
CNLM-5553	Weekly Progress Report - Week of February 17, 1964	Parks, G.	2/24/64	CRD
CNLM-5554	Weekly Report - 2/21/64	Raring, L.	2/24/64	CRD
CNLM-5555	SNAP-50/SPUR Pump Material Test Requirements	Milich, J.	2/27/64	CRD
CNLM-5556	Summary of BKHT-2 Design Review Summary	Rose, G.	3/3/64	U
CNLM-5557	Ten Inch Pressure Vessel Test Program	Doak, R.	2/24/64	CRD
CNLM-5557 Supp. 1	Ten Inch Pressure Vessel Program	Doak, R.	2/27/64	CRD
CNLM-5558	Excerpt from PWAC-634 Con- sisting of Reactor and Shield Development Section	n.a.	3/26/64	CRD
CNLM-5559	Strength of PWC-II, PWC-33, and D-43 Alloys	Treciokas, V. Kuhns, R.	2/27/64	CRD
CNLM-5560	Ten-year Forecast of Special Nuclear Materials Requirement	Freed, M.	2/27/64	CRD
CNLM-5561	Thermal Insulation for Reactor	Lomerson, E.	3/3/64	CRD
CNLM-5562	Classification Bulletin Number 12	Meyer, R.	3/3/64	CRD
CNLM-5563	Weights and Dimensions of High Temperature Liquid Metal Cooled Nuclear Reactor - Brayton Cycle Powerplants for Deep Operating Submersibles	Donaghy, C. Rib, L.	4/27/64	CRD
CNLM-5564	Annual Withdrawals and Returns of Special Nuclear Material. Form AEC-48, Project Title: SNAP-50 (Development Reactor)	Woodward, C.	2/28/64	CRD
CNLM-5565	Proposed Design Requirements for the SNAP-50/SPUR Reference Design Number 2	Perry, P.	3/3/64	CRD

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CNLM-5566	SNAP-50/SPUR Reactor Coolant Pump and Condensation Pump Material Design Criteria	Milich, J.	3/3/64	CRD
CNLM-5567	Weekly Progress Report - Week Ending February 28, 1964	Fader, W.	3/3/64	CRD
CNLM-5568	Weekly Report - 2/28/64	Raring, L.	3/3/64	CRD
CNLM-5569	Weekly Progress Report February 28, 1964	Parks, G.	3/3/64	CRD
CNLM-5570	Systems Integration Group Weekly Report - February 24-28, 1964	Meyer, R.	3/3/64	CRD
CNLM-5572	Mass Spectrometer Isotopic Assay and Burnup Measurements of Blended UC Fuels	Fornwalt, D.	3/5/64	CRD
CNLM-5573	Addition to Cartridge - Fuel Tabulation, Sheet 6	Hurd, R. Doyle, J.	3/10/64	CRD
CNLM-5573 Supp. 1	Supplement to "Cartridge Fuel" Tabulation	Hurd, R. Doyle, J.	3/17/64	CRD
CNLM-5573 Supp. 2	Supplement Two to: "Cartridge Fuel" Fabrication	Hurd, R. Doyle, J.	3/24/64	CRD
CNLM-5573 Supp. 3	Supplement Three to "Cartridge Fuel" Fabrication Doyle, J.	Hurd, R.	4/3/64	CRD
CNLM-5573 Supp. 4	Supplement Four to "Cartridge Fuel" Fabrication	French, W. Bascom, D.	4/3/64	CRD
CNLM-5573 Supp. 5	Supplement Five to "Cartridge Fuel" Fabrication	Bascom, D. Doyle, J.	5/11/64	CRD
CNLM-5573 Supp. 6	Supplement Six to "Cartridge Fuel" Fabrication	Bascom, D. French, W.	5/11/64	CRD
CNLM-5573 Supp. 7	Design of New Fuel Cartridges Types 20-A and 20-B	Bascom, D. Doyle, J.	8/18/64	CRD
CNLM-5573 Supp. 8	Design of New Fuel Cartridges Types 19-P and 19-Q	Boscom, D. Doyle, J.	3/4/64	CRD
CNLM-5573 Supp. 9	Design of New Fuel Cartridge Type 21-A	Bascom, D. Doyle, J.	3/11/64	CRD
CNLM-5574	Progress Report for February 1964	Chalfant, A.	3/9/64	CRD

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CNLM-5575	Fuel Properties and Irradiation Behavior	Raring, L.	3/5/64	CRD
CNLM-5576	Axial Temperature Distribution Study of the Current Inpile Capsule Design	Ackermann, W.	3/6/64	CRD
CNLM-5576 Supp. 1	Analysis of Heat Flow in the Current Inpile Capsule Design	Ackermann, W.	6/19/64	U
CNLM-5577	Lunar Base Nuclear Powerplant Model Numbers C-12790, C-12789 and C-12792	Meyer, R.	3/9/64	CRD
CNLM-5578	In Accordance with Your Request of February 17, 1964, I Have Enclosed Three Copies of Pages 24, 28, 32, 36 and 39 from AEC Unclassified Report - "Systems for Nuclear Auxiliary Power - an Evaluation - January, 1964"	Meyer, R.	3/9/64	CRD
CNLM-5579	Weekly Progress Report, Week Ending March 6, 1964	Fader, W.	3/10/64	CRD
CNLM-5580	Weekly Report - 3/6/64	Raring, L.	3/10/64	CRD
CNLM-5581	Weekly Progress Report - March 6, 1964	Parks, G.	3/9/64	CRD
CNLM-5583	Systems Integration Group Weekly Report March 2-6, 1964	Meyer, R.	3/9/64	CRD
CNLM-5584 Vol. I	SNAP-50/SPUR Pump Motor Development Program Subcontract Vol. I General Specifications	n.a.	5/11/64	U
CNLM-5584 Vol. I Supp. 2	SNAP-50/SPUR Pump Motor Development Program Subcontract Vol. I General Specifications	Walton, J.	9/21/64	U
CNLM-5584 Vol. II	SNAP-50/SPUR Pump Motor Development Program Subcontract Vol. II Technical Specifications	Doyle, J.	5/11/64	CRD
CNLM-5584 Vol. 2 Supp. 2	SNAP-50/SPUR Pump Motor Development Program Subcontract	Doyle, J.	9/22/64	CRD

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CNLM-5584 Vol. 3	SNAP-50/SPUR Pump Motor Development Program Subcontract Vol. III Materials Data, and Materials and Process Specifications	n.a.	5/11/64	U
CNLM-5584 Supp. 1	SNAP-50/SPUR Pump Motor Development Program Subcontract Errata	Walton, J.	6/15/64	U
CNLM-5584 Vol. 1 Supp. 3	SNAP-50/SPUR Pump Motor Development Program Subcontract General Specifications	Walton, J.	3/26/65	U
CNLM-5585	Trip Report - Martin (Denver) for Titan III-C Information March 6, 1964	Perry, P.	3/12/64	CRD
CNLM-5586	Weekly Progress Report - Week Ending March 13, 1964	Fader, W.	3/16/64	CRD
CNLM-5587	Proposed Extension of Area of Study, NASA Contract NAS-3-2543	Kelly, R.	3/16/64	CRD
CNLM-5588	PWC-11, PWC-33 and D-43 Cross Reference Chart	Lomerson, E.	3/17/64	CRD
CNLM-5589	Weekly Report - 3/13/64	Raring, L.	3/16/64	CRD
CNLM-5590	Weekly Progress Report March 13, 1964	Parks, G.	3/16/64	CRD
CNLM-5591	Disposal of Deteriorated Uranium Metal Strip	Crume, E.	3/20/64	U
CNLM-5593	Charts Used in R. Meyer's Talks to Commissioner Tape and General Luedecke on March 13, 1964	n.a.	3/18/64	CRD
CNLM-5594	Proposal - Nuclear-Propelled Drone Powerplant Study	Doll, W.	4/1/64	CRD
CNLM-5595	Classification Bulletin Number 14	Meyer, R.	4/3/64	CRD
CNLM-5596	Proposal for a Haynes Test Fluid Loop (NASA Invitation No. C-122966)	Doll, W.	3/26/64	U

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CNLM-5597	Discussion of Magazine Articles Related to Classified Programs	Doll, W.	3/19/64	CRD
CNLM-5598	Letter Submitting AEC-21 Form Entitled "Preliminary Request for Irradiation Services"	Strough, R.	3/20/64	CRD
CNLM-5599	The Study of Off-Design Operation of the SNAP-50 Powerplant is Required to Evaluate Powerplant Control Modes	Murphy, J.	3/19/64	U
CNLM-5600	Metallographic and Electron Probe Analysis to Determine Compatability of Fuel Moderator Ceramic and Cb-1 Zr	Whittles, J.	3/20/64	CRD
CNLM-5601	Weekly Progress Report - Week Ending March 20, 1964	Fader, W.	3/23/64	CRD
CNLM-5602	Proposed Reactor Parametric Studies - Phase II	Fish, R.	3/31/64	CRD
CNLM-5603	Weekly Progress Report - March 16-20, 1964	Parks, G.	3/23/64	CRD
CNLM-5604	Weekly Report - 3/20/64	Raring, L.	3/23/64	CRD
CNLM-5605	Trip Report to Harvey Aluminum, May 27-28, 1964	Nelson, C.	3/23/64	U
CNLM-5606	EM Pump Test Rig	Edgerly, G.	4/2/64	U
CNLM-5607	Design Request for Cb-1 Zr Alloy and Cb-1 Zr-0.1 C (PWC-11) Alloy Irradiation Test Unit	Carlson, C.	3/25/64	CRD
CNLM-5608	Systems Integration Group Weekly Report March 16-20, 1964	Meyer, R.	3/25/64	CRD
CNLM-5609	Classified XM-1132	Lomerson, E.	3/31/64	CRD
CNLM-5610	Classified XM-1133	Lomerson, E.	3/31/64	CRD
CNLM-5611	CNLM-5472, Preliminary Study of an Underwater Powerplant	Doll, W.	3/25/64	CRD
CNLM-5612	Project: A-766	Delgrosso, E.	3/25/64	CRD

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CNLM-5613	Trip Report - Electro-Optical Systems, March 17, 1964, Atomics International, March 18, 1964, Hughes Aerospace, March 19, 1964, Lockheed Missiles and Space Company, March 20, 1964	Perry, P.	3/31/64	CRD
CNLM-5613 Supp. 1	Trip Report - Aerospace Corporation March 16, 1964	Perry, P.	3/31/64	SDI
CNLM-5614	Metallographic Examination of Plasma Spray Coated Cb-1 Zr Bearings (P.S.-113565)	Whittles, J.	3/25/64	CRD
CNLM-5615	Properties of Beryllium Oxide for SNAP-50/SPUR Pump Motor Development Program Subcontract	Thomas, E.	5/11/64	U
CNLM-5615 Supp. 1	Properties of Beryllium Oxide for SNAP-50/SPUR Pump Motor Development Program Subcontract	Thomas, E.	6/4/64	U
CNLM-5616	Fabrication of PWC-11 Tube-blank, Rod and Sheet by E. I. DuPont	Stewart, J.	3/31/64	CRD
CNLM-5617	UC Fuel Composition for Ir-radiation	Caplow, S.	3/31/64	CRD
CNLM-5618	Request for Tabulation of Isotopic Analysis Data	Felber, F.	4/1/64	CRD
CNLM-5619	The Thermal Decomposition of Uranium Monocarbide	Vozzella, P.	4/14/64	U
CNLM-5620	The Thermal Decomposition of Uranium Mononitride	Vozzella, P.	4/20/64	U
CNLM-5621	The Thermal Conductivity of Uranium Monocarbide	Sobon, J.	4/16/64	U
CNLM-5622	Stresses in An Infinite Medium with a Pressurized Spherical Cavity During Secondary Creep	Gemma, A. Kalinowski, A.	4/15/64	U
CNLM-5623	Progress Report for 20 March to 3 April, 1964	Fader, W.	4/7/64	CRD

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CNLM-5624	Classification of Alloy Com- positions Cb-1 Zr-0.1 C, Cb- 3 Zr-0.3 C and Cb-10 W-1 Zr-0.1 C	Doll, W.	4/3/64	CRD
CNLM-5625	Tabulation of Isotopic Analysis Data	Kahn, M.	4/6/64	CRD
CNLM-5626	Systems Integration Group Weekly Report March 30, - April 3, 1964	Meyer, R.	4/6/64	CRD
CNLM-5627	Weekly Report - 4/3/64	Raring, L.	4/7/64	CRD
CNLM-5629	Weekly Progress Report March 27, 1964	Parks, G.	4/7/64	CRD
CNLM-5630	Classified XM-1135	Lomerson, E.	4/13/64	CRD
CNLM-5631	Identification and Serial- ization Standards Instru- mentation, Controls and Hardware	Bliss, P.	4/20/64	U
CNLM-5631 Supp. 1	Standardization of System Coding	Patalon, W.	12/2/64	U
CNLM-5632	Fuel Cladding Evaluation	Watson, W.	4/10/64	CRD
CNLM-5633	Ten Inch Pressure Vessel Test Design	Vitali, V.	4/9/64	CRD
CNLM-5633 Supp. 1	Ten Inch Pressure Vessel Test Design Change	Vitali, V.	4/30/64	U
CNLM-5634	SNAP-50 Nuclear Test Facility	Doll, W.	4/8/64	CRD
CNLM-5635	Pre-Irradiation Surface Area Measurements on Uranium Mono- carbide Samples	Johnson, J.	4/10/64	CRD
CNLM-5635 Supp. 1	Surface Area Measurements on Unirradiated Uranium Mono- carbide Compacts and Powder Sample	Johnson, J.	5/28/64	CRD
CNLM-5635 Supp. 2	Surface Area Measurements on Unirradiated Uranium Mono- carbide Compacts	Johnson, J.	7/22/64	CRD

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CNLM-5636	Discussion of Temperatures for Working Materials for 10 Inch Vessel Program	Doak, R.	4/9/64	CRD
CNLM-5637	Progress Report for 6 April to 10 April, 1964	Fader, W.	4/13/64	CRD
CNLM-5638	Review of MPRE Program at Oak Ridge National Laboratory	Raring, L.	4/10/64	CRD
CNLM-5639	Weekly Progress Report April 6- April 10, 1964	Parks, G.	4/13/64	CRD
CNLM-5640	Weekly Report - 4/10/64	Raring, L.	4/15/64	CRD
CNLM-5641	8 Copies of Charts Used in Presentations - B.O.B. and Representatives of the AEC on April 13, 1964	n.a.	4/15/64	CRD
CNLM-5642	Progress Report for 13 April to 17 April, 1964	Fader, W.	4/20/64	CRD
CNLM-5644	Systems Integration Group Weekly Report - April 13-17, 1964	Meyer, R.	4/21/64	CRD
CNLM-5645	Powerplant and Controls Description	Murphy, J.	4/20/64	CRD
CNLM-5646	Trip Report: BeO Properties Discussion at General Atomics and Atomics International	Rowe, G.	4/21/64	U
CNLM-5647	Weekly Report 4/17/64	Raring, L.	4/20/64	CRD
CNLM-5648	Weekly Progress Report - April 13-17, 1964	Parks, G.	4/20/64	CRD
CNLM-5649	Fuel Fabrication for Irradiation Test Program	Caplow, S.	4/29/64	CRD
CNLM-5649 Supp. 1	Fuel Fabrication for Irradiation Test Program	Caplow, S.	12/7/64	CRD
CNLM-5649 Supp. 2	Fuel Fabrication for Irradiation Test Program	Caplow, S.	12/15/64	CRD
CNLM-5650	General Criteria - Inpile Capsule Data Reduction and Summary Reports	Vassallo, D.	4/23/64	CRD

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CNLM-5650 Supp. 1	General Criteria - Inpile Capsule Data Reduction and Summary Reports	Vassallo, D.	5/7/64	CRD
CNLM-5650 Supp. 2	General Criteria - Inpile Capsule Data Reduction Summary Reports	Vassallo, D.	7/2/64	CRD
CNLM-5650 Supp. 3	Inpile Capsule Data Reduction Program - Constant Temperature Difference Method	Ackermann, W.	2/5/64	U
CNLM-5650 Supp. 4	Inpile Capsule Data Reduction	Ackermann, W.	4/23/64	U
CNLM-5650 Supp. 5	Inpile Capsule Data Reduction	Ackermann, W.	6/23/64	U
CNLM-5651	SNAP-50/SPUR Auxiliary Alternator	Kelly, R. Meyer, R.	4/21/64	CRD
CNLM-5652	Letter Enclosing Electrical Equipment and Low Temperature Radiator Information Requested During Telephone Conversation of 4/17/64	Perry, P.	4/21/64	CRD
CNLM-5653	Upgrading of XM Specifications	Lomerson, E.	4/21/64	CRD
CNLM-5654	Letter Confirming Statements Concerning Classification of CANEL Work at the Meeting of April 8, 1964 with H. Herron and A. Wesley	Meyer, R.	4/21/64	CRD
CNLM-5655	Letter Confirming Statements Concerning Classification of CANEL Work at Meeting of April 8, 1964 with H. Herron and A. Wesley	Meyer, R.	4/21/64	CRD
CNLM-5656	United Nuclear Corporation Fuel Isotopic Assay	Fornwalt, D.	4/22/64	CRD
CNLM-5657	Compatibility of Heat Rejection Circuit Materials with NaK	Kelly, K.	4/30/64	CRD

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CNLM-5658	Compatibility of Power Conversion Circuit Materials with Potassium	Kelly, K.	4/30/64	CRD
CNLM-5659	SNAP-50/SPUR Pump Development	Kelly, R.	4/30/64	CRD
CNLM-5661	Tabulation of the Isotopic Abundances and Fuel Burnup Results....	Scotti, V.	4/24/64	CRD
CNLM-5661 Supp. 1	Results of the Metallographic Examination of Specimens and Gas Samples	Scotti, V.	5/11/64	CRD
CNLM-5661 Supp. 2	Tabulation of Isotopic Abundances and Fuel Burnup Results	Scotti, V.	6/22/64	CRD
CNLM-5661 Supp. 3	Letter to Mr. Wm. A. Loeb-United Nuclear Corp., White Plains, N. Y.	Scotti, V.	4/1/64	CRD
CNLM-5662	Performance Study of Two-phase Water Tests on Plug and Sharp-edged Type Orifices	Meregian, J.	6/11/64	U
CNLM-5663	Tubing from Superior P.O. 76420	Meyer, R.	4/24/64	CRD
CNLM-5664	Progress Report for 20 April to 24 April, 1964	Fader, W.	4/28/64	CRD
CNLM-5665	Technical Discussion with Air Research Personnel April 22-23, 1964	Horan, J.	5/18/64	U
CNLM-5666	Photographs in the Irradiated UN Capsules 220, 231 and 240 Display...	Huegel, F.	4/28/64	CRD
CNLM-5667	Weekly Progress Report - April 20-24, 1964	Parks, G.	4/27/64	CRD
CNLM-5668	Systems Integration Group Weekly Report April 20-24, 1964	Meyer, R.	4/28/64	CRD
CNLM-5669	Weekly Report - 4/24/64	Raring, L.	4/28/64	CRD
CNLM-5670	Minutes of Meeting Held with AiResearch Manufacturing Company on March 27, 1964	Murphy, J.	4/30/64	U

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CNLM-5671	Conceptual Design Study of a Powerplant for a Deep Operating Submersible	Chalfant, A.	7/13/64	CRD
CNLM-5672	Discussion of Length of 10 Inch Vessel Cylinders	Doak, R.	4/29/64	CRD
CNLM-5673	Patent Project A-843	Leeper, H.	4/30/64	CRD
CNLM-5674	Quotation for a Liquid Metal Test Loop	Doll, W.	5/6/64	U
CNLM-5674 Add. 1	Supplementary Quotation for a Liquid Metal Test Loop	Doll, W.	5/12/64	U
CNLM-5675 Vol. 1	Business Management Proposal Gamma Heating Study of a Rocket Reactor	Doll, W.	5/5/64	CRD
CNLM-5675 Vol: 2	Technical Proposal Gamma Heating Study for a Rocket Reactor	n.a.	5/5/64	CRD
CNLM-5676	Remarks on the Analysis of Alkali Metals	Hobart, E.	5/5/64	U
CNLM-5677	ASME SAE Radiator Conference Trip Report	Allen, J.	5/7/64	U
CNLM-5678	Design Meeting - Ten Inch Pressure Vessel	Vitali, V.	5/5/64	CRD
CNLM-5680	Weekly Progress Report - April 27-May 1, 1964	Parks, G.	5/4/64	CRD
CNLM-5681	Evaluation of Columbium/Zirconium Alloy Tubing by Means of Nondestructive Testing	McKie, R.	6/3/64	CRD
CNLM-5682	Progress Report for 27 April to 1 May, 1964	Fader, W.	5/7/64	CRD
CNLM-5683	Systems Integration Group Weekly Report - April 27 - May 1, 1964	Meyer, R.	5/5/64	CRD
CNLM-5686	Material for 18th High Temperature Fuels Committee Meeting	DeCrescente, M.	5/18/64	CRD

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CNLM-5687	Metallographic Investigation of Cb-1 Zr-0.1 C Tubing; Pre-test Material to be Used in Slave Loop LCCDB-1 Posttest was Tested 1,000 Hours at 2200°F in Lithium	Geary, A.	5/5/64	CRD
CNLM-5688	Visual Access to the Alloys Classified by Bulletin Number 11	Meyer, R.	5/7/64	CRD
CNLM-5689 Rev. 1	Preliminary Proposal for the Continuation of Rankine Cycle Space Boiler Development Projects	n.a.	6/2/64	U
CNLM-5690	Preliminary Proposal for Material Erosion Screening Tests in High Temperature Liquid Metal	n.a.	5/15/64	U
CNLM-5691	Preliminary Proposal for Investigations of Liquid Metal Film Bearings	n.a.	5/15/64	U
CNLM-5692	Preliminary Proposal for Jet-centrifugal Pump Investigation in High Temperature Liquid Metal and/or Impeller Research	n.a.	5/15/64	U
CNLM-5693	Preliminary Proposal for Dynamic and Face Seal Investigations for High Temperatures Liquid Metal Applications.	n.a.	5/15/64	U
CNLM-5694	A Comparison of the SNAP-50/SPUR Development Program with that Required for the Proposed Lunar Powerplants	Meyer, R.	5/28/64	CRD
CNLM-5695	NKSS Boiling Potassium Loop Data Reduction Method (Determination of the Over-all Heat Transfer Coefficient for the Prototype Length Boiler Tube Test)	Costales, D. Bersin, G.	5/13/64	U

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CNLM-5697	Minutes of April 22-23, 1964 Meeting with AiResearch to Discuss SNAP-50/SPUR Radiator Design	Murphy, J.	5/15/64	U
CNLM-5698	Systems Integration Group Weekly Report - May 4-8, 1964	Meyer, R.	5/15/64	CRD
CNLM-5699	SAE-ASME Space Meeting Trip Report	D'Arcy, R.	5/18/64	U
CNLM-5700	Program Cost Estimate for SNAP-50/SPUR Fiscal Years 1965-1966	n.a.	5/19/64	CRD
CNLM-5701	Program Cost Estimate for Advanced High Temperature Materials Fiscal Years 1965- 1966	n.a.	5/19/64	CRD
CNLM-5702	Program Cost Estimate for Critical Assembly Fuel Element Exchange Fiscal Years 1965-1966	n.a.	5/19/64	U
CNLM-5703	Program Cost Estimate for MCR Criticality Experiment Service Fiscal Years 1965-1966	n.a.	5/19/64	U
CNLM-5704	NKSS-B Loop	Donnelly, E.	5/15/64	U
CNLM-5706 (Vol. 1)	SNAP-50 Lithium to Potassium Boiler	n.a.	6/30/63	CRD
CNLM-5706 (Vol. 2)	SNAP-50 Lithium to Potassium Boiler	n.a.	6/30/63	U
CNLM-5707	Enclosure: (a) Development Schedule Leading to Non-nuclear Systems Test	Meyer, R.	5/18/64	CRD
CNLM-5708	Progress Report for 4 May to 15 May 1964	Fader, W.	5/18/64	CRD
CNLM-5709	Capsule Operating Summary, MTR Cycle Number 205	Cunniff, C. Schmidt, R.	5/19/64	CRD
CNLM-5709 Rev. 1	Capsule Operating Summary MTR Cycle Number 204	Cunniff, C.	9/16/64	CRD
CNLM-5709 Supp. 1	Capsule Operating Summary MTR Cycle Number 206	Cunniff, C. Schmidt, R.	5/19/64	CRD

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CNLM-5709 Supp. 2	Capsule Operating Summary MTR Cycle Number 207	Cunniff, C.	5/25/64	CRD
CNLM-5709 Supp. 3	Capsule Operating Summary MTR Cycle Number 208	Cunniff, C.	6/12/64	CRD
CNLM-5709 Supp. 4	Capsule Operating Summary MTR Cycle Number 209	Cunniff, C.	7/1/64	CRD
CNLM-5709 Supp. 5	Capsule Operating Summary MTR Cycle Number 210	Cunniff, C. Schmidt, R.	7/20/64	CRD
CNLM-5709 Supp. 6	Capsule Operating Summary MTR Cycle Number 211	Cunniff, C.	7/17/64	CRD
CNLM-5709 Supp. 7	Capsule Operating Summary MTR Cycle Number 212	Cunniff, C.	9/14/64	CRD
CNLM-5709 Supp. 8	Capsule Operating Summary MTR Cycle Number 213	Cunniff, C.	9/30/64	CRD
CNLM-5709 Supp. 9	Capsule Operating Summary MTR Cycle Number 214	Cunniff, C.	10/20/64	CRD
CNLM-5709 Supp. 10	Capsule Operating Summary MTR Cycle Number 213	Cunniff, C.	11/5/64	CRD
CNLM-5709 Supp. 11	Capsule Operating Summary MTR Cycle Number 216	Cunniff, C.	11/27/64	CRD
CNLM-5709 Supp. 12	Capsule Operating Summary MTR Cycle Number 217	Cunniff, C.	12/31/64	CRD
CNLM-5709 Supp. 13	Capsule Operating Summary MTR Cycle Number 218	Cunniff, C.	1/26/65	CRD
CNLM-5709 Supp. 14	Capsule Operating Summary MTR Cycle Number 219	Cunniff, C.	2/16/65	CRD
CNLM-5709 Supp. 15	Capsule Operating Summary MTR Cycle Number 220	Cunniff, C.	3/8/65	CRD
CNLM-5709 Supp. 16	Capsule Operating Summary MTR Cycle Number 221	Schmidt, R.	4/22/65	CRD
CNLM-5709 Supp. 17	Capsule Operating Summary MTR Cycle Number 222	Schmidt, R.	4/27/65	CRD
CNLM-5709 Supp. 18	Capsule Operating Summary MTR Cycle Number 223	Schmidt, R.	7/8/65	CRD
CNLM-5709 Supp. 19	Capsule Operating Summary MTR Cycle Number 224	Schmidt, R.	7/8/65	CRD

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CNLM-5709 Supp. 20	Capsule Operating Summary MTR Cycle Number 225	Schmidt, R.	7/12/65	CRD
CNLM-5710	Weekly Progress Report May 11-15, 1964	Parks, G.	5/18/64	CRD
CNLM-5711	Systems Integration Group Weekly Report May 11-15, 1964	Meyer, R.	5/18/64	CRD
CNLM-5712	Weekly Report - 5/15/64	Raring, L.	5/18/64	CRD
CNLM-5713	Visual Material Presented During the NASA-AEC Meeting at CANEL on May 11-12, 1964	Parks, G.	6/30/64	CRD
CNLM-5714	Serpentine Tube Boiler Design	Bernstein, E.	5/19/64	CRD
CNLM-5715	Program Cost Estimate for SNAP- 50/SPUR Fiscal Years 1965-1966 by Subtask	n.a.	5/28/64	CRD
CNLM-5716	Program Cost Estimate for Advanced High Temperature Materials Fiscal Years 1965- 1966 by Subtask	n.a.	5/28/64	CRD
CNLM-5717	Budget Estimate for Fiscal Year 1966	n.a.	5/22/64	CRD
CNLM-5719	The Linear Thermal Expansion of Two Iron-Molybdenum and Five Nickel-Molybdenum Alloys from 58 to 1700 to 68F	Harrington, L. Rowe, G.	6/5/64	U
CNLM-5720	Progress Report for 18 May to 22 May, 1964	Fader, W.	5/25/64	CRD
CNLM-5721	Weekly Progress Report April 18-22, 1964	Parks, G.	5/25/64	CRD
CNLM-5722	Meeting on May 19, 1964 at Westinghouse, Lima, Ohio Auxiliary Power Supply	Doll, W.	5/25/64	CRD
CNLM-5725	PWC-11 Tubing	Delgrosso, E.	5/26/64	CRD
CNLM-5726	SNAP-50 Reactor and Shield Design Schedule	Banach, H.	5/28/64	CRD
CNLM-5727	Project A-809	Delgrosso, E.	5/27/64	CRD

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CNLM-5728	Strength of PWC-11 Tubing XM-1032	Delgrosso, E.	5/27/64	CRD
CNLM-5729	SNAP-50/SPUR Nuclear Test Facility Initial Design Re- quirements, CANEL Site, Middletown, Connecticut	Kelly, R.	6/2/64	U
CNLM-5730	Design Number 1 of SNAP-50/ SPUR Reactor Test Systems	Kelly, R.	6/11/64	CRD
CNLM-5731	Design Number 2 of SNAP-50/ SPUR Reactor Test Systems	Kelly, R.	6/11/64	CRD
CNLM-5732	Design Number 3 of SNAP-50/ SPUR Reactor Test Systems	Kelly, R.	6/12/64	CRD
CNLM-5733	Design Number 4 of SNAP-50/ SPUR Reactor Test Systems	Kelly, R.	7/17/64	CRD
CNLM-5734	Design Number 5 of SNAP-50/ SPUR Reactor Test Systems	Kelly, R.	7/14/64	CRD
CNLM-5736	Weekly Report - 5/22/64	Raring, L.	5/28/64	CRD
CNLM-5737	Coating of Columbium Alloy Tubing	Friedrich, L.	5/28/64	CRD
CNLM-5739	United Nuclear Fuel Isotopic Assay and Burn-up	Kahn, M.	6/2/64	CRD
CNLM-5740	Summary Committee Report 18th High Temperature Fuels Committee Meeting, May 19- 21, 1964 (P&WA)	DeCrescente, M.	6/4/64	CRD
CNLM-5741	Design Criteria for an Inpile Capsule Shipping Cask	Aberle, R. Vassallo, D.	6/16/64	U
CNLM-5741 Supp. 1	Design Criteria for an Inpile Capsule Shipping Cask	Vassallo, D.	6/26/64	U
CNLM-5742	Compatibility of Fuel with PWC-11 Alloy	Caplow, S. Doyle, J.	7/2/64	CRD
CNLM-5743	Rossi and Measuring Equipment	Fader, W.	6/5/64	CRD
CNLM-5744	CNLM-5737 - Comments on	Doyle, J.	6/5/64	CRD

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CNLM-5745	Progress Report for May 25 to June 5, 1964	Fader, W.	6/10/64	CRD
CNLM-5746	Information on Flux and Power Distributions, and Chemical Energy Releases Requested by N.U.S. at Meeting at CANEL, June 3, 1964	Sandin, E.	6/8/64	CRD
CNLM-5747	Weekly Progress Report June 1-5, 1964	Parks, G.	6/8/64	CRD
CNLM-5748	Systems Integration Group Weekly Report May 25 - June 5, 1964	Meyer, R.	6/8/64	CRD
CNLM-5749	Preliminary Evaluation of Poodle Thruster	Chalfant, A.	6/9/64	CRD
CNLM-5750	Weekly Progress Report 6/5/64 - 6/8/64	Raring, L.	6/10/64	CRD
CNLM-5751 Supp. 1	Request for Design Studies on the Nominal 8.6 MW Reactor Test and the Ground Test Concept of the Flight Configured Nominal 1.2 Mwe Powerplant	Austin, G.	8/14/64	CRD
CNLM-5751 Supp. 2	Request for Design Studies on the Assembly and Disassembly Requirements of the High Power Reactor and the Flight Powerplant Ground Test Concepts	Austin, G.	10/22/64	U
CNLM-5751 Supp. 3	Meeting on Bakeout and Preheat Requirements for Reactor Ground Test Lithium System	Austin, G.	1/8/65	U
CNLM-5752	Information Defined to A/E at Nuclear Test Facility Conference on 6/10/64	Daddario, A.	6/23/64	U
CNLM-5752 Supp. 1	Request for Conceptual Design of SNAP-50 300 Kwe Powerplant Test in Flight Configuration	Daddario, A.	7/29/64	U
CNLM-5752 Supp. 2	Instrument List	Gray, W.	7/29/64	U

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CNLM-5752 Supp. 3	High Level Oxygen Analyzer	Patalon, W.	8/19/64	U
CNLM-5752 Supp. 4	Index of Documents and Drawings Transmitted to A/E	Daddario, A.	8/28/64	U
CNLM-5753	Nuclear Test Facility Electrical Systems Review	Harries, F.	2/16/65	U
CNLM-5754	PWAR-20 Li-NaK-Air Heat Re- jection System	Horan, J.	7/17/64	CRD
CNLM-5754 Supp. 1	Afterheat Removal Estimates for the Nuclear Test Facility	Horan, J.	11/3/64	U
CNLM-5754 Supp. 2	Future Ground Test Requirements	Horan, J.	12/3/64	CRD
CNLM-5754 Supp. 3	Fuel Loading Experiment and Transfer of Fuel Assemblies from a Reactor Test Facility to the CANEL Hot Laboratory	Horan, J.	12/4/64	U
CNLM-5754 Supp. 4	Check of Summer's Analysis	Gemma, A. Hartman, O.	1/8/65	U
CNLM-5754 Supp. 5	Review of "Preliminary In- vestigation of Containment Vessel Response to Blast Loading", by Walt Summer	Horan, J.	1/21/65	U
CNLM-5754 Supp. 6	Review of R. J. Cholister's Memo of October 16, 1964, "Gas Coolant Study"	Horan, J.	1/21/65	U
CNLM-5754 Supp. 7	Nuclear Excursion Detailed Definition	Horan, J.	1/8/65	U
CNLM-5754 Supp. 8	Meeting with CCCo January 14-15, 1965	Horan, J.	2/4/65	U
CNLM-5754 Supp. 9	Reactor Test Facility (RTF) Heat Rejection Equipment	Horan, J.	4/20/65	CRD
CNLM-5754 Supp. 10	Missiles in an Excursion in the NTF	Horan, J.	4/7/65	CRD
CNLM-5754 Supp. 11	Tabulation of Possible Missiles	Horan, J.	4/12/65	U
CNLM-5754 Supp. 12	Tabulation of Possible Missiles Revision 1	Horan, J.	4/21/65	U

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CNLM-5754 Supp. 13	Blast and Missile Bibliography	Horan, J.	7/30/65	U
CNLM-5756	Application of Electron Beam Welding to the Joining of a Thin-wall "J" Probe to a Thin-wall Adapter	Rose, G.	7/30/64	U
CNLM-5757	Irradiation of Lithium Hydride	Slotnick, H.	6/26/64	CRD
CNLM-5758	Cross Reference Between Existing XM's and New CS's	Lomerson, E.	6/12/64	CRD
CNLM-5759	SNAP-50/SPUR Pump Motor Program Subcontractor Selection Board	Walton, J.	6/22/64	U
CNLM-5760	Proposed Classification Guide for the Design, Development, Manufacture and Testing of the High Temperature Reactor and Powerplant for the SNAP-50/SPUR Program	n.a.	6/24/64	CRD
CNLM-5760 Rev. 1	Proposed Classification Guide for the Design, Development, Manufacture and Testing of the High Temperature Reactor and Powerplant for the SNAP-50/SPUR Program	n.a.	10/15/64	CRD
CNLM-5761	Progress Report for 8 June to 12 June 1964	Fader, W.	6/12/64	CRD
CNLM-5762	Weekly Progress Report June 8 - 12, 1964	Parks, G.	6/16/64	CRD
CNLM-5763	Tritium Production and Li ⁸ Bremsstrahlung Data Requested by NUS at Meeting on June 11, 1964	Sandin, E.	6/16/64	CRD
CNLM-5765	Weekly Progress Report 6/12/64	Raring, L.	6/16/64	CRD
CNLM-5766	Systems Integration Group Weekly Report June 8-12, 1964	Meyer, R.	6/16/64	CRD
CNLM-5767	Selection of Pressure Vessel Forging Temperature for PWC-11 Alloy	Rowe, G.	6/16/64	CRD

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CNLM-5768	Presentation of SNAP-50/SPUR Powerplant and Technology	n.a.	7/16/64	CRD
CNLM-5769	Design Information	Murphy, J.	6/16/64	CRD
CNLM-5771	Trip Report NASA Ames Research Center Moffett Field, California June 19, 1964	Perry, P.	6/24/64	CRD
CNLM-5772	Trip Report	Perry, P.	6/22/64	CRD
CNLM-5773	Colonel E. M. Douthett's IAA Aerospace Power Systems Paper	Meyer, R.	6/18/64	CRD
CNLM-5774	Request for Irradiation of Columbium Alloy Physical Test Specimens	Carlson, C.	6/22/64	U
CNLM-5775	Frequency Conversion Survey - Interim Status Report	Chalfant, A. Walton, J.	6/24/64	U
CNLM-5776	Progress Report for 15 June to 19 June 1964	Fader, W.	6/23/64	CRD
CNLM-5777	Request for Shielding Requirements for Silicone Controlled Rectifiers	Allen, J.	6/23/64	U
CNLM-5777 Supp. 1	Supplementary Information on Shield Requirements for Silicone Controlled Rectifiers	Allen, J.	7/9/64	U
CNLM-5778	Weekly Progress Report June 15-19, 1964	Parks, G.	6/22/64	CRD
CNLM-5779	Trip Report	Perry, P.	6/24/64	CRD
CNLM-5780	Weekly Progress Report - 6/19/64	Raring, L.	6/23/64	CRD
CNLM-5781	Minutes of the May 28, 1964 Meeting with NASA to Discuss SNAP-50/SPUR Radiator Design	Champagne, G.	7/2/64	U
CNLM-5782	Systems Integration Group Weekly Report June 15-19, 1964	Meyer, R.	6/23/64	CRD
CNLM-5783	Ingot Processing	Doak, R. Kuhns, R.	6/25/64	U

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CNLM-5784	Feasibility of Utilizing the CANEL Hot Laboratory for Disassembly of the SNAP-50 Test Reactor Pressure Vessel and Core	Kelly, R.	6/30/64	CRD
CNLM-5784 Supp. 1 thru 95 incl.	NTF Correspondence - Catalytic Construction Company	Kelly, R.	6/23/64 thru 7/10/65	U
CNLM-5785	Neutron Flux Data Request by N.U.S.	Krause, J. Sandin, E.	6/26/64	CRD
CNLM-5786	Heat Pipe Device to a Space Radiator Design	Meyer, R.	6/24/64	CRD
CNLM-5787	Revised Classification Guide for the SNAP-50/SPUR Program	Meyer, R.	6/26/64	CRD
CNLM-5788	Noncondensibles; a Cause of Two Phase System Instabilities	Bernstein, E.	7/2/64	U
CNLM-5789	Post-Irradiation Examination Report of NDA Capsules 67, 68 and 69	Scotti, V.	9/28/64	CRD
CNLM-5789 Supp. 1	Prints of Photographic Figures in CNLM-5789	Scotti, V.	12/4/64	U
CNLM-5789 Supp. 2	Prints of Photographs Taken for Capsule NDA Number 67 (MCR Number 1)	Scotti, V.	11/27/64	CRD
CNLM-5789 Supp. 3	Photographic Negatives Pertinent to the Examination of NDA Capsules 67, 68, and 69	Scotti, V.	12/7/64	CRD
CNLM-5789 Supp. 4	Photographic Negatives Taken in Examination of NDA Capsules 67, 68 and 69	Scotti, V.	12/9/64	U
CNLM-5790	Additional Information for the 1 Mwe Design Study	Allen, J.	7/8/64	CRD
CNLM-5791	Meeting with Sprague Electric Company	Edgerly, G. Cooper, K.	7/14/64	U
CNLM-5792	Trip Report - NASA Ames Research Center Moffett Field, California, June 19, 1964	Perry, P.	7/2/64	CRD

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CNLM-5793	Trip Report - General Electric Company, June 25, 1964	Edgerly, G.	7/8/64	U
CNLM-5795	Meeting with AiResearch Manufacturing Company at CANEL on June 24, 1964	Cooper, K.	7/8/64	U
CNLM-5796	Report of Trip to NRTS, Idaho, June 23, 1964	Harrison, R.	7/8/64	U
CNLM-5797	Reliability Analysis of the Powerplant	Murphy, J.	7/6/64	CRD
CNLM-5798	Systems Integration Group Weekly Report June 22 - July 2, 1964	Meyer, R.	7/7/64	CRD
CNLM-5799	Progress Report for 22 June to 2 July, 1964	Fader, W.	7/7/64	CRD
CNLM-5801	Sole Source Justification: Development of Coatings	Raring, L.	7/20/64	CRD
CNLM-5802	Dummy and Parasitic Loads for the Nuclear Powerplant, Non-nuclear Powerplant, and Turbo-alternator Test Facilities	Bernstein, E.	7/16/64	CRD
CNLM-5803	Status of Vapor Deposition	Kuhns, R.	7/16/64	CRD
CNLM-5804	Minutes of Meeting Held with AiResearch Manufacturing Company on June 23, 1964	Dyson, R.	7/13/64	CRD
CNLM-5805	Progress Report for 6 July to 10 July, 1964	Fader, W.	7/13/64	CRD
CNLM-5807	The SNAP-50/SPUR Powerplant Development Program	n.a.	7/27/64	CRD
CNLM-5808	Weekly Progress Report July 6-10, 1964	Parks, G.	7/13/64	CRD
CNLM-5809	Weekly Progress Report 7/10/64	Raring, L.	7/13/64	CRD
CNLM-5810	Creep Rate Data	Kuhns, R.	7/13/64	CRD
CNLM-5812	Report of Flow-induced Vibration in Wooden Radiator Mockup of PW-102 Matrix	Horan, J.	8/19/64	U

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CNLM-5813	Progress Report for 13 July to 17 July 1964	Fader, W.	7/20/64	CRD
CNLM-5814	PWAC-283, Supplement 6, Safety of Extended MCR Critical Experiment Program	Fader, W.	7/20/64	CRD
CNLM-5815	Weekly Progress Report July 13-17, 1964	Parks, G.	7/20/64	CRD
CNLM-5816	Request for Calculated Fuel Specimen Size and Irradiation Conditions	Freed, M.	7/20/64	CRD
CNLM-5817	Weekly Progress Report - 7/17/64	Raring, L.	7/22/64	CRD
CNLM-5818	Chemical Vapor Deposition Investigation	n.a.	7/21/64	CRD
CNLM-5820	Systems Integration Weekly Report	Meyer, R.	7/21/64	CRD
CNLM-5821	Progress Report for 20 July to 23 July 1964	Fader, W.	7/28/64	CRD
CNLM-5822	Weekly Progress Report 7/24/64	Raring, L.	7/28/64	CRD
CNLM-5823	Weekly Progress Report July 20-24, 1964	Parks, G.	7/28/64	CRD
CNLM-5825	Nuclear Test Facility Location Study	Macfarlane, D.	7/31/64	U
CNLM-5826	Evaluation of A.C. Linear Induction Pump -400 cps	Edgerly, G.	8/19/64	U
CNLM-5827	Study of Mission Applications	Meyer, R.	7/29/64	CRD
CNLM-5830	Referring to Letter of July 23, 1964 About Quotation Number 4502	Meyer, R.	7/30/64	CRD
CNLM-5831	Progress Report for 27 July to 31 July, 1964	Fader, W.	8/5/64	CRD
CNLM-5833	Weekly Progress Report July 27 - 31, 1964	Parks, G.	8/6/64	CRD
CNLM-5834	Meeting to Discuss the SNAP-50 Fuel Irradiation Program	Doak, R.	8/5/64	CRD
CNLM-5835	Weekly Progress Report - 7/31/64	Raring, L.	8/7/64	CRD

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CNLM-5836	Technical Evaluation of Three Bidders Proposals for the SNAP-50/SPUR Pump Motor Program Subcontract	Thomas, E.	8/19/64	U
CNLM-5837	Dummy and Parasitic Loads for the Nuclear Powerplant, Non-nuclear Powerplant, and Turbo-alternator Test Facilities	Bernstein, E.	8/10/64	CRD
CNLM-5838	Heats of Reaction for Chemical Hazards Evaluation	Kapelner, S.	8/19/64	U
CNLM-5839	Fuel Element Laboratory Summary of Work at San Fernando Laboratories	Doyle, J.	8/7/64	CRD
CNLM-5840	Confirming Letter on Fuel Material	Raring, L.	8/11/64	CRD
CNLM-5841	Progress Report for 17 August to 21 August 1964	Fader, W.	8/24/64	CRD
CNLM-5842	Weekly Progress Report 8/21/64	Raring, L.	8/24/64	CRD
CNLM-5843	Weekly Progress Report August 17-21, 1964	Parks, G.	8/24/64	CRD
CNLM-5845	Properties of Uranium Mono-carbide (UC)	Wagoner, J.	8/27/64	U
CNLM-5846	Melting Status	Owings, J.	8/25/64	CRD
CNLM-5847	Forecast of Special Nuclear Material Requirements U-235 for Period 1/1/64 through 12/31/64	n.a.	8/26/64	U
CNLM-5848	Forecast of Special Nuclear Material Requirements U-233 for Period 1/1/64 through 12/31/64	n.a.	8/26/64	U
CNLM-5849	Forecast of Special Nuclear Material Requirements Pu for Period 1/1/65 through 12/31/65	n.a.	8/26/64	U

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CNLM-5850	Subcontractor Selection	Kelly, R.	9/3/64	U
CNLM-5851 Part I	Illustrations Used in the AEC Briefing on Materials Research and Development at P&WA - CANEL August 25-26, 1964 Part I. SNAP/SPUR Materials	n.a.	9/4/64	CRD
CNLM-5851 Part II	Illustrations Used in the AEC Briefing on Materials Research and Development at P&WA - CANEL August 25-26, 1964. Part II - Fuels and Materials Research	n.a.	9/17/64	CRD
CNLM-5852	Melting Record GC-64 Nominal Composition Cb-0.85 Zr-0.075 C	Maynard, W.	8/28/64	CRD
CNLM-5853	Progress Report for 24 August to 28 August 1964	Fader, W.	9/1/64	CRD
CNLM-5854	SNAP-50 Shielding Information Requested by General Electric	Alwang, W.	9/4/64	CRD
CNLM-5855	Classification Bulletin Number 16	Herron, H.	11/9/64	CRD
CNLM-5856	Information Requested by J. Signorelli of NUS on August 28, 1964	Sandin, E.	9/4/64	CRD
CNLM-5857	Weekly Progress Report - 8/28/64	Raring, L.	9/1/64	CRD
CNLM-5858	Request for Powerplant Data in the Forth Coming SSD Mission Study	Murphy, J.	8/31/64	CRD
CNLM-5859	History and Description of CANEL Site	n.a.	9/3/64	U
CNLM-5860	Systems Integration Group Weekly Report August 24-28, 1964	Meyer, R.	9/4/64	CRD
CNLM-5861	Requesting Contributions to Agenda for Space Technology Panel Review of SNAP-50/SPUR Program at CANEL on September 24, 1964	Murphy, J.	9/15/64	U

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CNLM-5862	Weekly Progress Report August 24-28, 1964	Parks, G.	9/3/64	CRD
CNLM-5863	Chemical Deposition Investigation	n.a.	9/3/64	CRD
CNLM-5864	Progress Report for 31 August to 4 September 1964	Fader, W.	9/9/64	CRD
CNLM-5865	Letter to United Nuclear Corporation About Upgrading Confidential Documents	Meyer, R.	9/10/64	CRD
CNLM-5866	Weekly Progress Report - 9/4/64	Raring, L.	9/9/64	CRD
CNLM-5867	Weekly Progress Report August 31, 1964 - September 4, 1964	Parks, G.	9/9/64	CRD
CNLM-5869	Fabrication of W- Re Sheet at Wah Chang Company - 9/1/64 to 9/3/64	Owings, J.	9/15/64	U
CNLM-5870	Mechanical Control Drive Considerations for the SNAP-50 Reactor	n.a.	9/14/64	CRD
CNLM-5871	Progress Report for 8 September to 11 September, 1964	Fader, W.	9/14/64	CRD
CNLM-5878	Weekly Progress Report September 7-11, 1964	Parks, G.	9/14/64	CRD
CNLM-5879	Weekly Progress Report - 9/11/64	Raring, L.	9/16/64	CRD
CNLM-5880	Uranium Enrichment for Capsule Irradiation Program	Caplow, S.	9/15/64	CRD
CNLM-5881	Melting Status Number 3 Previous Report: August 25, 1964	Owings, J.	9/16/64	CRD
CNLM-5882	Bliss Forging Record PWC-11 - PNZK-2 RS/13999 XM-1110	Boucher, R.	9/21/64	CRD
CNLM-5883	Final Report on SNAP-50/SPUR Pump Motor Program Development Subcontract	Kelly, R.	9/21/64	U

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CNLM-5884	Inspection Requirements for Ten Inch Pressure Vessels	Vitali, V.	9/21/64	U
CNLM-5886	Progress Report for 14 September to 18 September 1964	Fader, W.	9/22/64	CRD
CNLM-5887	Weekly Progress Report - 9/18/64	Raring, L.	9/22/64	CRD
CNLM-5888	Weekly Progress Report September 14-18, 1964	Parks, G.	9/22/64	CRD
CNLM-5889 Rev. 1	SNAP-50/SPUR Program Summary	n.a.	11/24/64	CRD
CNLM-5889 Rev. 2	SNAP-50/SPUR Program Summary October 1964	n.a.	11/17/64	CRD
CNLM-5890	Evaluation of Ti-20 V-10 Cb Alloy	Stewart, J.	9/22/64	CRD
CNLM-5891	Fuel Cladding - Barrier Analysis	Parks, G.	9/30/64	CRD
CNLM-5892	ORNL Experience with Type 316 Stainless Steel/Potassium Loops	Cleary, R.	9/23/64	CRD
CNLM-5893	Evaluation of PWC-II (XM-1009, Tube Blank Material) in Tensile and Creep-Rupture	Watson, W.	10/22/64	U
CNLM-5894	Heat Transfer Investigation of Fuel Fusion in PW 26-524	Ackermann, W.	9/25/64	CRD
CNLM-5895	Letter to Mr. Devlin of Fansteel about Classification and Security	Meyer, R.	9/29/64	CRD
CNLM-5896	Letter to George Arensman of Westinghouse Re: Classification of the Motor Development Contract	Meyer, R.	9/29/64	CRD
CNLM-5897	Letter to Universal Cyclops Steel Corporation About Classification of CANEL Classified Work	Meyer, R.	9/30/64	CRD

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CNLM-5898	Reference to the Meeting of September 18, 1964	Meyer, R.	10/1/64	U
CNLM-5899	Weekly Progress Report September 21-25, 1964	Parks, G.	9/30/64	CRD
CNLM-5900	Weekly Progress Report 21 September, 1964 to 25 September, 1964	Fader, W.	9/29/64	CRD
CNLM-5901	Weekly Progress Report 9/25/64	Raring, L.	9/29/64	CRD

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CNLM-5902	Letter to Mr. J. M. Simons United States AEC Washington About Reflector Materials	Raring, R.	9/29/64	CRD
CNLM-5903	Extrusion Record GC-52-1 POEQ	Boucher, R.	10/8/64	CRD
CNLM-5904	Extrusion Record T-222PNFS XM-1085 RX/6887 3rd. Extrusion Job Number 10	Boucher, R.	10/1/64	U
CNLM-5905	Forge and Rolling Record - Ti-20V-10Cb-0.1C	Boucher, R.	10/20/64	U
CNLM-5906	Melting Record HNC-2 Nominal Composition Cb-1Zr-2Y	Maynard, W.	10/7/64	CRD
CNLM-5907	Summary of LCRE Power-case Head Forging Program at Ladish	Stewart, J.	10/1/64	U
CNLM-5908	Carbon Limits for PWC-11 Alloy	Rowe, G.	10/1/64	CRD
CNLM-5909	CANEL Current Facilities, Middle- town, Connecticut October 15, 1964	Bartlett, E.	11/23/64	U
CNLM-5910	Fabrication Record Material: T-222 Ta - 9W - 2.5 HF Tube Blank 2 Pieces	Boucher, R.	10/6/64	U
CNLM-5911	Progress Report for 28 September to October 2, 1964	Fader, W.	10/7/64	CRD
CNLM-5912	Weekly Progress Report September 28 - October 2, 1964	Parks, G.	10/5/64	CRD
CNLM-5913	Systems Integration Group Weekly Report September 28 - October 2, 1964	Meyer, R.	10/5/64	CRD
CNLM-5914	Weekly Progress Report - 10/2/64	Raring, L.	10/7/64	CRD
CNLM-5915	Inpile Capsule Heat Transfer Calculations	Ackermann, W.	10/7/64	CRD
CNLM-5915 (Supp. 1)	Inpile Capsule Heat Transfer Calculations	Ackermann, W.	11/20/64	CRD

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CNLM-5916	Transmutation of Tungsten-rhenium Thermocouples in Inpile Fuel Tests	Alwang, W.	10/8/64	U
CNLM-5917	Extrusion Record Cb-1Zr-2Y	Boucher, R.	10/8/64	CRD
CNLM-5918	Accelerated Clad Development	Raring, L.	10/12/64	CRD
CNLM-5920	Lithium Fill Weight/gas Pressures for Heater Test Capsules	Ackermann, W.	10/13/64	U
CNLM-5921	Weekly Progress Report Week Ending October 7, 1964	Fader, W.	10/13/64	CRD
CNLM-5922	Weekly Progress Report 10/9/64	Raring, L.	10/13/64	CRD
CNLM-5923	Engineering Estimate for Twelve Liquid Metal Level Sensors	Doll, W.	10/13/64	U
CNLM-5924	Material for 19th High Temperature Fuels Committee Meeting 10/23/64	DeCrescente, M.	10/28/64	CRD
CNLM-5925	Fabrication Record GC-63 (As Extruded) POCD	Boucher, R.	10/16/64	CRD
CNLM-5926	Extrusion Record Cb-18W-8Hf PNZJ RS/14003	Boucher, R.	10/16/64	CRD
CNLM-5927	Procurement of Coated Spheroidized UO ₂ P.O. AEC-83975	DeCrescente, M.	10/16/64	CRD
CNLM-5928	Meeting with Mr. Hattersley on October 9, 1964	Meyer, R.	10/21/64	CRD
CNLM-5929	Meeting With R. J. Brown and R. C. Cash on October 8, 1964	Meyer, R.	10/21/64	CRD
CNLM-5930	Weekly Progress Report October 5-9, 1964	Parks, G.	10/16/64	CRD
CNLM-5931	Review of Document Entitled "Preliminary Title I Design Report, SNAP-50/SPUR Nuclear Test Facility" - Comments and Recommendations	Doll, W.	12/4/64	U

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CNLM-5932	Weekly Progress Report October 19-26, 1964	Parks, G.	10/20/64	CRD
CNLM-5933	Weekly Progress Report for 8 October to 16 October, 1964	Fader, W.	10/19/64	CRD
CNLM-5934	Request for SNAP-50 Data Required Naples, P. to Make a Comprehensive Performance Analysis		10/21/64	U
CNLM-5935	Weekly Progress Report - 10/16/64	Raring, L.	10/19/64	CRD
CNLM-5936	PWAC-283, Supplement Number 6 Safety of Extended MC R Critical Experiment Program	Fader, W.	10/21/64	U
CNLM-5937	Information Requested by General Electric for the Use in the NASA Navigator Study Contract	Perry, P.	10/21/64	CRD
CNLM-5938	Fabrication Record PWC-11 PNZK XM-1110 RS/13999 Extruded Condition	Boucher, R.	10/26/64	CRD
CNLM-5939	Reactor Design Plan for the Remainder of FY 1965	Parks, G.	10/23/64	CRD
CNLM-5940 (Vol. 1)	Business Management Proposal Pump Impeller Cavitation Damage Investigation	Doll, W.	10/30/64	U
CNLM-5940 (Vol. 2)	Technical Proposal Pump Impeller Cavitation Damage Investigation	n.a.	10/30/64	U
CNLM-5942	A Study of the Compatibility of Selected Refractory Metals with Various Ceramic Insulation Materials	Fornwalt, D. Gourley, B.	12/4/64	U
CNLM-5943	Binary Gas Controlled Inpile Capsule-Study	Ackermann, W.	10/27/64	CRD
CNLM-5944	Weekly Progress Report October 19-23, 1964	Parks, G.	10/26/64	CRD
CNLM-5945	Weekly Progress Report for 19 October to 23 October 1964	Fader, W.	10/26/64	CRD

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CNLM-5946	Trip Report: San Fernando Laboratories Poicoma, California and Fansteel Metallurgical Corporation Richmond, California 10/14/64	McKie, R.	10/26/64	CRD
CNLM-5947	Weekly Progress Report 10/23/64	Raring, L.	10/26/64	CRD
CNLM-5948	History of SNAP-50 Powerplant Weight	Champagne, G.	11/5/64	CRD
CNLM-5950	Data for SNAP-50/SPUR Appli- cation Studies AEC Research and Development Report	Meyer, R.	11/20/64	CRD
CNLM-5952	Surplus Rejected Fuel Elements	Vickers, G.	11/2/64	CRD
CNLM-5953	Discussions of Meeting on October 14th About Research Planning	Raring, L.	10/28/64	CRD
CNLM-5954	Weekly Progress Report for 26 October to 30 October, 1964	Fader, W.	11/4/64	CRD
CNLM-5955	Weekly Progress Report October 26-30, 1964	Parks, G.	11/3/64	CRD
CNLM-5956	Transfer of CEND Fuel Rods	Walsh, V.	11/20/64	U
CNLM-5956 (Supp. 1)	Transfer of CEND Fuel Rods	Walsh, V.	11/18/64	U
CNLM-5958	Weekly Progress Report 10/30/64	Raring, L.	11/4/64	CRD
CNLM-5962	Melting Record GC-65 Nominal Composition: Cb-0.85Zr-0.075C	Maynard, W.	11/5/64	CRD
CNLM-5963	Fabrication Record PWC-11 L.C. GC-64 POEQ Extruded Condition	Boucher, R.	11/10/64	CRD
CNLM-5964	Melting Progress	Maynard, W.	11/5/64	CRD
CNLM-5966	Work Assignments November 4, 1964	Meyer, R.	11/5/64	CRD
CNLM-5968	SNAP-50/SPUR Fuel Irradiation Program	Freed, M.	11/5/64	CRD

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CNLM-5968 (Supp. 1)	SNAP-50/SPUR Fuel Irradiation Program	Freed, M.	12/15/64	CRD
CNLM-5970	Weekly Progress Report for 2 November to 6 November 1964	Fader, W.	11/10/64	CRD
CNLM-5971	Weekly Progress Report 11/6/64	Raring, L.	11/12/64	CRD
CNLM-5972	Instrumentation Philosophy	Patalon, W.	11/16/64	U
CNLM-5973	Weekly Progress Report November 2-6, 1964	Parks, G.	11/12/64	CRD
CNLM-5974	Manpower Shortage on Bore Seal and Liquid Metal Bearing Materials Development Programs	Kelly, R.	11/16/64	U
CNLM-5975	Systems Integration Group Weekly Report November 2-6, 1964	Meyer, R.	11/13/64	CRD
CNLM-5976	Review of AI Shield Materials Program	Passeri, A. Slotnick, H.	11/18/64	CRD
CNLM-5976 (Supp. 1)	General Electric High Temperature Shield Material Program	Passeri, A.	12/2/64	CRD
CNLM-5977	Containment Vessel Leak Rate Criteria for a Proposed CANEL Nuclear Test Facility	Sandin, E.	12/1/64	U
CNLM-5978	Test Stand for Motor Cavity Test Rig	Thomas, E.	11/24/64	U
CNLM-5979	Weekly Progress Report for 9 November to 13 November, 1964	Fader, W.	11/17/64	CRD
CNLM-5980	Weekly Progress Report - 11/13/64	Raring, L.	11/17/64	CRD
CNLM-5981	Weekly Progress Report November 9-13, 1964	Parks, G.	11/16/64	CRD
CNLM-5983	Interim Report on the Nuclear Test Facility Design	Milich, J.	12/1/64	U
CNLM-5984	Melting Record GC-66 Nominal Composition Cb-0.85Zr-0.112C	Maynard, W.	11/19/64	CRD

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CNLM-5985	Meeting of October 29 Discussing Cb-1Zr Test Results	Murphy, J.	11/18/64	U
CNLM-5986	Use of SNAP-50 as a Power Source For a Large, Long Endurance Aircraft	Chalfant, A.	11/20/64	CRD
CNLM-5987	Offgassing Estimates for SNAP-50 Test Facility Vacuum Chambers	Burr, G.	12/18/64	U
CNLM-5988	Capsule Gas Annulus Volume Calculation	Mattrella, U.	11/20/64	U
CNLM-5989	Reactor Assembly Meeting November 11, 1964	Slotnick, H.	11/19/64	CRD
CNLM-5990	Extrusion Record GC-65 PWC-11 L. C. POHI Job Number 14	Boucher, R.	11/24/64	CRD
CNLM-5991	Extrusion Record GC-66 H. C. PWC-11 POHJ Job Number 15	Boucher, R.	11/24/64	CRD
CNLM-5992	Fabrication Record POAD RS/ 14361 H. C. PWC-11 CNLM Extruded Condition	Boucher, R.	11/24/64	CRD
CNLM-5993	Coding of N.N.S.T. Recorder Charts During Storage	Lovewell, G.	12/3/64	CRD
CNLM-5994	Weekly Progress Report for 16 November to 20 November 1964	Fader, W.	11/24/64	CRD
CNLM-5995	LCRE Intermediate Case	Vitali, V.	11/25/64	U
CNLM-5996	Weekly Progress Report - 11/20/64	Raring, L.	11/24/64	CRD
CNLM-5997	Northeastern States Navy Research and Development Clinic	Chalfant, A.	11/24/64	SDI
CNLM-5998	Safety Inspection of Nuclear Physics Laboratory	Dawson, D.	12/11/64	U
CNLM-5999	Request for Conceptual Design Study of Advanced SNAP-50 Reactor and Shield	Chalfant, A.	11/24/64	CRD

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CNLM-5999 (Supp. 1)	Supplement to Request of Conceptual Design Study of Advanced SNAP-50 Reactor and Shield	Chalfant, A.	3/2/65	CRD
CNLM-6000	Weekly Progress Report November 16-20, 1964	Parks, G.	12/1/64	CRD
CNLM-6001	Space Radiator Fabrication Development for July and August, 1964 - September and October 1964	Stewart, J.	12/31/64	U
CNLM-6003	PWC-11 Alloy Tube Blank Pro- curement	Doyle, J.	11/27/64	CRD
CNLM-6004	Weekly Progress Report for 23 November to 27 November 1964	Fader, W.	12/1/64	CRD
CNLM-6005	Weekly Progress Report November 23-27, 1964	Parks, G.	12/1/64	CRD
CNLM-6007	Weekly Progress Report - 11/27/64	Raring, L.	12/1/64	CRD
CNLM-6008	Request for Evaluation of Hot Laboratory Shielding Windows for SNAP-50/SPUR Reactor Fuel Assembly Examination	Harries, F.	12/2/64	CRD
CNLM-6009	Outstanding Problems in Nuclear Analysis Theory and Methods	Alwang, W.	12/11/64	CRD
CNLM-6010	Extrusion Record AS-30, GC-67, POHU Cb. -20W-1Zr-0.1C	Boucher, R.	12/3/64	CRD
CNLM-6011	Fabrication Record Cb-1Zr-2Y Extruded Condition	Boucher, R.	12/3/64	CRD
CNLM-6012	Trip Report: Eighth Conference on Analytical Chemistry in Nuclear Technology	Farmelo, D.	12/7/64	U
CNLM-6013	Design Report Numbers and Burn- up Factors - MTR Cycle 217	Aberle, R.	12/11/64	CRD

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CNLM-6013 (Supp. 1)	Design Report Numbers and Burnup Factors - MTR Cycle 218	Schmidt, R. Cunniff, C.	12/18/64	CRD
CNLM-6013 (Supp. 2)	Design Report Numbers and Burn- up Factors - MTR Cycle 219	Schmidt, R.	1/7/65	CRD
CNLM-6013 (Supp. 3)	Design Report Numbers and Burn- up Factors - MTR Cycle 220	Schmidt, R.	1/20/65	CRD
CNLM-6013 (Supp. 4)	Design Report Numbers and Burn- up Factors - MTR Cycle 221	Ackermann, W.	2/26/65	CRD
CNLM-6013 (Supp. 5)	Design Report Numbers and Burn- up Factors - MTR Cycle 222	Ackermann, W.	4/2/65	CRD
CNLM-6013 (Supp. 6)	Design Report Numbers and Burn- up Factors - MTR Cycle 223	Gay, J.	4/7/65	CRD
CNLM-6013 (Supp. 7)	Design Report Numbers and Burn - up Factors - MTR Cycle 224	Gay, J.	4/23/65	CRD
CNLM-6013 (Supp. 8)	Design Report Numbers and Burn- up Factors - MTR Cycle 225	Gay, J.	5/13/65	CRD
CNLM-6013 (Supp. 9)	Design Report Numbers and Burn- up Factors - MTR Cycle 226	Gay, J.	5/28/65	CRD
CNLM-6013 (Supp. 10)	Design Report Numbers and Burn- up Factors - MTR Cycle 227	Gay, J.	6/24/65	CRD
CNLM-6013 (Supp. 11)	Design Report Numbers and Burn- up Factors - MTR Cycle 228	Gay, J.	7/15/65	CRD
CNLM-6014	Systems Integration Weekly Report	Meyer, R.	12/7/64	CRD
CNLM-6015	Evaluation of Infrared Non- destructive Testing Applications	McBride, V.	12/8/64	CRD
CNLM-6015 (Supp. 1)	Evaluation of Infrared Non- destructive Testing Applications	McBride, V.	1/5/65	CRD
CNLM-6016	Weekly Progress Report November 30 - December 4, 1964	Parks, G.	12/10/64	CRD
CNLM-6017	Visit to Los Alamos Laboratory on 11/25/64	Chalfant, A.	12/9/64	CRD

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CNLM-6018	Weekly Progress Report - 12/4/64	Raring, L.	12/9/64	CRD
CNLM-6019	Design of Compatibility Test Specimens	Caplow, S.	12/8/64	CRD
CNLM-6020	Visit to JPL on 12/4/64	Chalfant, A.	12/9/64	CRD
CNLM-6022	Correspondence from Mr. J. L. Ledeen on Liquid Metal Pumps	Walton, J.	12/10/64	U
CNLM-6023	Nuclear Test Systems Design Meeting Number 3 - December 8, 1964	Milich, J.	12/15/64	U
CNLM-6023 (Supp. 1)	Weekly Nuclear Test Systems Design Meeting	Milich, J.	12/5/64	U
CNLM-6023 (Supp. 2)	Nuclear Test Systems Meeting Number 4 - December 22, 1964	Daddario, A.	1/12/65	U
CNLM-6023 (Supp. 3)	Nuclear Test Systems Meeting Number 5 - January 19, 1965	Austin, G.	2/3/65	U
CNLM-6024	Classification Bulletin Number 17	Herron, H.	12/14/64	CRD
CNLM-6025	Post-Irradiation Examination Report of NDA Capsule 70 (MCR Number 4)	Felber, F. Owings, J.	1/5/65	CRD
CNLM-6025 (Supp. 1)	Photographic Negatives Taken in the Examint	Scotti, V.	1/8/65	U
CNLM-6026	Monthly Progress Report for December, 1964	Kulp, R.	1/15/65	U
CNLM-6027	Monthly Progress Report for January, 1965	Kulp, R.	2/16/65	U
CNLM-6028	Investigation of Cavitation Damage of a Mechanical Pump Impeller in High Temperature Potassium, Quarterly Progress Report Number 1 - December 7, 1964 to February 28, 1965	Kulp, R. Altieri, J.	6/15/65	U

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CNLM-6029	Monthly Progress Report for March, 1965	Kulp, R.	4/27/65	U
CNLM-6030	Monthly Progress Report for April 1965	Kulp, R.	5/20/65	U
CNLM-6031	Quarterly Progress Report Number 2 - March 1, 1965 - July 2, 1965 Investigation of Cavitation Damage of a Mechanical Pump Impeller in High Temperature Potassium	Kulp, R.	7/30/65	U
CNLM-6038	Request for Physics Information to Assist the Design Study of an Advanced SNAP-50 Reactor and Shield	Chalfant, A.	12/15/64	CRD
CNLM-6039	Request for Materials Information to Assist Design Study of Advanced SNAP-50 Reactor and Shield	Chalfant, A.	12/15/64	CRD
CNLM-6040	Trip Report - American Society of Mechanical Engineers, Winter Annual Meeting in New York City, Attended on December 2 and 3, 1964	Harries, F.	1/4/65	U
CNLM-6041	Weekly Progress Report 7 December to 11 December, 1964	Fader, W.	12/15/64	CRD
CNLM-6042	Weekly Progress Report November 7 - 11, 1964	Parks, G.	12/15/64	CRD
CNLM-6043	Recommended Changes to Irradiation Program	DeCrescente, M.	12/15/64	CRD
CNLM-6044	Weekly Progress Report - 12/11/64	Raring, L.	12/17/64	CRD
CNLM-6045	SNAP-50/SPUR Program Development Goals	Doll, W.	12/15/64	CRD
CNLM-6046	System Integration Weekly Report	Meyer, R.	12/16/64	CRD
CNLM-6047	MCR Corrosion Loop Cost Estimate	Doll, W.	12/17/64	CRD

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CNLM-6048	Fabrication Record Material - PWC 11 GC-66 H.C. POHJ	Boucher, R.	1/7/65	CRD
CNLM-6049	Fabrication Record Material PWC-11 GC-65 L.C. POHI	Boucher, R.	1/7/65	CRD
CNLM-6050	Disclosure Number A-555	Delgrosso, E.	12/21/64	CRD
CNLM-6051	Weekly Progress Report 14 December to 18 December, 1964	Fader, W.	12/22/64	CRD
CNLM-6052	Weekly Progress Report 12/18/64	Raring, L.	12/22/64	CRD
CNLM-6054	Weekly Progress Report December 14-18, 1964	Parks, G.	12/22/64	CRD
CNLM-6055	Procurement of Coated UN Particles	Terry, W.	12/22/64	CRD
CNLM-6056	Minutes of November 20, 1964 Meeting with AiResearch Manufacturing Company to Discuss Turboalternator Design Concepts	Murphy, J.	12/28/64	U
CNLM-6058	SNAP-50/SPUR Pump Motor Bore Seal Development Program	Thomas, E.	1/14/65	U
CNLM-6059	Work Statement for the Pro- curement of UO ₂ Cermet Speci- mens	Caplow, S.	12/30/64	CRD
CNLM-6059 (Supp. 1)	Addition to Work Statement for the Procurement of UO ₂ Cermet Specimens	Caplow, S.	2/26/65	U
CNLM-6060	Classification of Potassium Pump	Kelly, R.	12/30/64	CRD
CNLM-6061	Letter to W. H. Pennington About Schedule A of the Fiscal Year 1965 Mid-Year Review	Strough, R.	12/29/64	CRD
CNLM-6062	Fabrication Record PWC-11 PNZK H.C. XM-1110 RS/13999	Boucher, R.	1/17/65	CRD

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CNLM-6063	Work Statement for Plasma Spray Coatings	Wallace, M.	1/13/65	U
CNLM-6064	Nuclear Energy Available for Blast	Sandin, E.	1/7/65	CRD
CNLM-6065	Letter Transmitting Classified Document CNLM-6059 - Request for Submittal of Proposal	Wilkins, R.	12/31/64	U
CNLM-6066	Melting Record GC-68, Nominal Composition Cb-0.85Zr-0.112C	Maynard, W.	1/7/65	CRD
CNLM-6067	Extrusion Record GC-68 PWC-11 H.C. POJG	Boucher, R.	1/7/65	CRD
CNLM-6068	SNAP-50/SPUR Pump Development Program	Kelly, R.	1/15/65	CRD
CNLM-6069	Weekly Progress Report December 28, 1964 - January 1, 1965	Parks, G.	1/7/65	CRD
CNLM-6070	Weekly Progress Report - December 31, 1964	Raring, L.	1/7/65	CRD
CNLM-6071	Work Requested: Complete Metallurgical and Chemical Examination of Any Observed Anomaly in the Test Assembly Test: Inert Gas Thermocouple Test - Serial Number CAI-2310	Fanciullo, S.	1/18/65	U
CNLM-6072	Containment Design Criteria (Safety Considerations Only)	Kelly, R.	1/8/65	U
CNLM-6073	Physical Properties for D-43 Alloy	Rowe, G.	3/23/65	U
CNLM-6073 (Supp. 1)	Physical Properties for D-43 Alloy	Rowe, G.	3/23/65	U
CNLM-6074	Emergency Procedures for CANEL Nuclear Physics Laboratory	Paradis, E.	1/14/65	U
CNLM-6075	Redrawing and Updating ANL High Temperature Boiling Sodium Loop	Randall, D.	1/11/65	U

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CNLM-6075 (Supp. 1)	Redrawing Boiling Section of ANL High Temperature Boiling Sodium Loop	Costales, D.	1/21/65	U
CNLM-6075 (Supp. 2)	Design Changes on ANL Boiling Sodium Loop Assembly 1042092	Randall, D.	2/25/65	U
CNLM-6075 (Supp. 3)	Design Change on the ANL Boiling Sodium Loop Assembly 104202	Randall, D.	3/26/65	U
CNLM-6075 (Supp. 4)	Design Change on the ANL Boiler 1041973 and 1042034	Randall, D.	3/29/65	U
CNLM-6076	Space Radiator Fabrication Development for November and December 1964 - January and February 1965	n.a.	4/19/65	U
CNLM-6078	Progress Report for Weeks of 21 December, 1964 to 8 January, 1965	Fader, W.	1/13/65	CRD
CNLM-6079	Weekly Progress Report - 1/8/65	Raring, L.	1/13/65	CRD
CNLM-6080	Establishing Fuel-to-Liner Clearances	Doyle, J.	1/12/65	CRD
CNLM-6081	Preliminary Mechanical Properties Data for Tungsten-25 Rhenium	Watson, W.	5/24/65	U
CNLM-6082	Weekly Progress Report January 4 - 8, 1965	Parks, G.	1/15/65	CRD
CNLM-6083	Estimates of Performance Limits of Heat Tubes Using Liquid Metal Heat Transfer Media	Chalfant, A.	1/15/65	CRD
CNLM-6084	Classification of Alloy Being Machined for CANEL via Contract with Wah Chang	Meyer, R.	1/14/65	CRD
CNLM-6085	The Application of the Electron Microprobe to the Identification and Quantitative Determination of Carbon	Manzione, A. Fornwalt, D.	2/9/65	U

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CNLM-6086	SNAP-50/SPUR Program Annual Technical Report 1964	Chalfant, A.	3/17/65	CRD
CNLM-6087	Bore Seal Development	Walton, J.	1/15/65	U
CNLM-6088	Comments and Recommendations for the Design of a SNAP-50/ SPUR Direct Condensing System Corrosion Loop	Allen, J.	1/14/65	U
CNLM-6089	Design Data for a Two-Phase SNAP-50/SPUR Corrosion Loop	Meyer, R.	1/13/65	CRD
CNLM-6090	Comments on Catalytic Construc- tion Company Title I Nuclear Test Facility Design Drawings SK-61, 62, 63, 64 and 21001	Milich, J.	1/18/65	U
CNLM-6091	Declassification of an Alloy	Meyer, R.	1/15/65	CRD
CNLM-6092	Fuel Development Contribution to Work Statement, FY-1965	Freed, M.	1/15/65	CRD
CNLM-6093	Forecast of Special Nuclear Material Requirements - U-233- Period: 7/1/65 Through 6/30/66	Fader, W.	1/15/65	U
CNLM-6094	Forecast of Special Nuclear Material Requirements - U-235- Period: 7/1/65 Through 6/30/66	Fader, W.	1/15/65	U
CNLM-6095	Forecast of Special Nuclear Material Requirements - Pu- Period: 7/1/65 Through 6/30/66	Fader, W.	1/15/65	U
CNLM-6096	Weekly Progress Report, 11 January to January 15, 1965	Fader, W.	1/19/65	CRD
CNLM-6097	Classification Review of the SNAP-50/SPUR Primary System Lithium Pump	Meyer, R.	1/15/65	CRD
CNLM-6098	Chemistry Requirements for the Advanced Materials Program	Lindemann, G.	1/18/65	CRD
CNLM-6099	One Mwe Feasibility Program Cost Estimate	Meyer, R.	1/15/65	CRD
CNLM-6100	Weekly Progress Report - 1/15/65	Raring, L.	1/19/65	CRD

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CNLM-6101	Cavitation Damage of Mechanical Pump Impellers Operating in Liquid Metal Space Power Loops	Kulp, R. Altieri, J.	2/4/65	U
CNLM-6103	Weekly Progress Report January 11-15, 1965	Parks, G.	1/20/65	CRD
CNLM-6104	Preparation of Non-nuclear Systems Test Final Report	Overman, A.	1/20/65	U
CNLM-6105	Melting Progress	Maynard, W.	1/19/65	CRD
CNLM-6106	Melting Record GC-69	Maynard, W.	1/21/65	CRD
CNLM-6107	Visit to RCA-ECD Division Somerville, New Jersey	Walton, J.	1/26/65	U
CNLM-6108	Specification for 500 Ampere Tunnel Rectifier Units	Cooper K.	2/10/65	U
CNLM-6109	Progress Report Number 1 - ANL High Temperature Boiling Sodium Loop, January 1 January 15, 1965	Randall, D.	1/26/65	U
CNLM-6109 (Supp. 1)	Progress Report Number 2 - ANL High Temperature Boiling Sodium Loop - January 15 to 30, 1965	Randall, D.	2/5/65	U
CNLM-6109 (Supp. 2)	Progress Report Number 3 - ANL High Temperature Boiling Sodium Loop - February 1-15, 1965	Randall, D.	2/25/65	U
CNLM-6109 (Supp. 3)	Progress Report Number 4 - ANL High Temperature Boiling Sodium Loop, February 16-28, 1965	Randall, D.	3/9/65	U
CNLM-6109 (Supp. 4)	Progress Report Number 5 - ANL High Temperature Boiling Sodium Loop, March 1-15, 1965	Randall, D.	3/25/65	U
CNLM-6109 (Supp. 5)	Progress Report Number 6 - ANL High Temperature Boiling Sodium Loop, March 16-31, 1965	Randall, D.	5/9/65	U

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CNLM-6109 (Supp. 6)	Progress Report Number 7 - ANL High Temperature Boiling Sodium Loop, April 1-15, 1965	Randall, D.	4/23/65	U
CNLM-6109 (Supp. 7)	Progress Report Number 8 - ANL High Temperature Boiling Sodium Loop, April 16-30, 1965	Randall, D.	5/18/65	U
CNLM-6109 (Supp. 8)	Progress Report Number 9 - ANL High Temperature Boiling Sodium Loop, May 1-15, 1965	Randall, D.	5/27/65	U
CNLM-6109 (Supp. 9)	Progress Report Number 10 - ANL High Temperature Boiling Sodium Loop, May 16-31, 1965	Randall, D.	6/15/65	U
CNLM-6109 (Supp. 10)	Progress Report Number 11 - ANL High Temperature Boiling Sodium Loop, June 1-15, 1965	Randall, D.	6/23/65	U
CNLM-6109 (Supp. 11)	Progress Report Number 12 - ANL High Temperature Boiling Sodium Loop June 15 - July 20, 1965	Randall, D.	7/22/65	U
CNLM-6110	Weekly Progress Report 18 January to 22, January 1965	Fader, W.	1/25/65	CRD
CNLM-6111	Work Statement - Fansteel Metallurgical Corporation	n.a.	2/3/65	U
CNLM-6112	Weekly Progress Report January 18-22, 1965	Parks, G.	1/26/65	CRD
CNLM-6114	Classification Upgrading	Meyer, R.	1/26/65	CRD
CNLM-6115	Weekly Progress Report - 1/22/65	Raring, L.	1/27/65	CRD
CNLM-6117	Request for Exploratory Calculations to Find Control Method for 120 Mwt Reactor	Chalfant, A.	1/28/65	CRD
CNLM-6118	Preliminary List of Vacuum Vessel and Containment Pene- trations (10 Mw Reactor Test)	Daddario, A.	2/4/65	U

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CNLM-6118 (Supp. 1)	Preliminary List of Vacuum Vessel and Containment Penetrations (2 Mw Reactor Test)	Daddario, A. Murdock, W.	2/24/65	U
CNLM-6119	Fabrication Record GC-68 POJG H.C. PWC-11 Extruded Condition	Boucher, R.	2/19/65	CRD
CNLM-6120	Extrusion Record GC-69 POKT L. M. PWC-11 H.C.	Boucher, R.	2/19/65	CRD
CNLM-6121	Weekly Progress Report 25 January to 29 January 1965	Fader, W.	2/4/65	CRD
CNLM-6122	Weekly Progress Report - January 29, 1965	Raring, L.	2/4/65	CRD
CNLM-6123	Weekly Progress Report January 25-29, 1965	Parks, G.	2/4/65	CRD
CNLM-6124	Transformer Rectifier Test Rig	Cooper, K.	2/12/65	U
CNLM-6125	Meeting to Discuss Buckling Test of Inpile Capsule Barrel (1/29/65)	Rowe, G.	2/2/65	CRD
CNLM-6127	Short Time Properties of Advanced Alloys Tested at CANEL	Watson, W.	4/23/65	U
CNLM-6128	Evaluation of Platinum - Rhodium Wound Furnaces	Raymond, E. Watson, W.	2/8/65	CRD
CNLM-6129	Enrichment Requirements for Fuel Inpile Capsule Experiments	Ackermann, W.	2/4/65	CRD
CNLM-6130	Paper "Two-Dimensional Sn Perturbation Theory Analysis" by W. J. Fader, J. A. Loffreda, E. L. Paradis	Meyer, R.	2/4/65	U
CNLM-6131	Weekly Progress Report - 2/5/65	Raring, L.	2/10/65	CRD
CNLM-6132	Weekly Progress Report 1 February to 5 February, 1965	Fader, W.	2/10/65	CRD

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CNLM-6135	Supplemental Design Information for Westinghouse Electric Corporation Design E- Water Models SNAP-50/SPUR Pump Motor Development Program- Subcontract - Agreement 65-9	Walton, J.	2/23/65	U
CNLM-6135 (Supp. 1)	Supplemental Design Information for Westinghouse Electric Corporation Design E - Liquid Metal Models SNAP-50/SPUR Pump Motor Development Program Sub- contract - Agreement 65-9	Walton, J.	2/12/65	CRD
CNLM-6135 (Supp. 2)	Supplemental Design Information for Westinghouse Electric Corporation - Design E - Transient Conditions, SNAP-50/SPUR Pump Motor Develop- ment Program Subcontract - Agreement 65-9	Walton, J.	3/4/65	U
CNLM-6136	Weekly Progress Report February 1-5, 1965	Parks, G.	2/10/65	CRD
CNLM-6137	Enclosure Copy of the Flow Diagram of the Boiler and Condenser Tests	Meyer, R.	2/10/65	U
CNLM-6138	Enclosed Copy of the Flow Diagram of the Boiler and Condenser Tests	Meyer, R.	2/10/65	CRD-U
CNLM-6139	Design Study - Lithium Hydride Inpile Capsule Irradiation Test	Ackermann, W.	2/10/65	CRD
CNLM-6139 (Supp. 1)	LiH Irradiation Capsule	Ackermann, W.	4/19/65	U
CNLM-6141	Tubing	Kuhns, R.	2/12/65	CRD
CNLM-6142	Transmittal of Data Sheets from Classified Physical Properties Manual	Raring, L.	2/16/65	U
CNLM-6143	Changes Proposed by Oak Ridge in a Letter of December 4, 1964 Written by Dr. Weinberg to Mr. H. M. Roth	Meyer, R.	2/11/65	CRD
CNLM-6144	Weekly Progress Report Week Ending 10 February 1965	Fader, W.	2/16/65	CRD

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CNLM-6145	Weekly Progress Report - 2/12/65	Raring, L.	2/16/65	CRD
CNLM-6146	Trip Report on Visit to Westinghouse Lima, Ohio, of February 3 and 4, 1965	Walton, J.	2/18/65	U
CNLM-6147	Weekly Progress Report February 8-12, 1965	Parks, G.	2/22/65	CRD
CNLM-6149	Weekly Progress Report February 8-12, 1965	Parks, G.	2/22/65	CRD
CNLM-6150	Condensate-Jet Pump Performance	Allen, J.	2/18/65	CDI
CNLM-6151	Low Temperature Braze Alloy NaK Compatibility Tests	Stewart, J.	2/18/65	U
CNLM-6152	Minutes of Meeting with Personnel of AiResearch at CANEL February 9, 1965	Randall, D.	2/23/65	U
CNLM-6153	Forecast of Special Nuclear Material Requirements. U-235-Reporting Period 7/1/65 Through 6/30/66	Fader, W.	2/18/65	U
CNLM-6154	Meeting of ASTM Committee E-10 on Radioisotopes and Radiation Effects	Rowe, G.	2/23/65	U
CNLM-6155	Fuel and Material Highlights: SNAP-50 and Advanced Programs	Raring, L.	2/23/65	CRD
CNLM-6156	Weekly Progress Report 15 February to 19 February, 1965	Fader, W.	2/23/65	CRD
CNLM-6157	Summary Review of CNLM-5889, Revision I	Meyer, R.	2/23/65	CRD
CNLM-6158	Weekly Progress Report - 2/19/65	Raring, L.	2/23/65	CRD
CNLM-6159	SNAP-50 Reactor Development Program	Dytko, E.	3/2/65	CRD
CNLM-6160	Design Modification of the PW-26 Fuel Capsule Type	Strough, R.	2/23/65	CRD

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CNLM-6162	Weekly Progress Report February 15 - 19, 1965	Parks, G.	2/25/65	CRD
CNLM-6163	Work Statement for the Procurement of Arc Cast UN Specimens	Sturiale, T.	2/24/65	U
CNLM-6164	Discussion of the Meeting That was Held in Washington on February 18 and 19, 1965	Meyer, R.	2/25/65	CRD
CNLM-6165	Thermocouple Development Program	Fanciullo, S.	2/26/65	U
CNLM-6166	Nuclear Energy Release, Blast Energy and Leak Criteria for 2 Mw Reactor Test Facility	Sandin, E.	2/25/65	CRD
CNLM-6168	Program Cost Estimate for SNAP-50 Fiscal Years 1965-1967	Coyle, G.	4/2/65	CRD
CNLM-6169	Program for Advanced Fuels and Materials Research P&WA - CANEL Fiscal Years - 1965, 1966, 1967	n.a.	4/9/65	CRD
CNLM-6170	Budget Estimate for Fiscal Year 1967 Contract AT(30-1)-2789	n.a.	4/5/65	CRD
CNLM-6171	Program Cost Estimate for Critical Fuel Element Exchange-Fiscal Years 1965 - 1967 (Schedule 189)	n.a.	4/5/65	U
CNLM-6172	Abstracts for TID-11295 Being Published by Mr. Simmons' Office	Raring, L.	3/2/65	CRD
CNLM-6174	Non-nuclear Systems Test Operation Report	Lovewell, G.	6/17/65	CRD
CNLM-6175	Weekly Progress Report February 22-26, 1965	Parks, G.	3/9/65	CRD
CNLM-6177	Weekly Progress Report - 2/26/65	Raring, L.	3/2/65	CRD
CNLM-6178	Weight Estimate of Refractory Metal Version of the MPRE	Chalfant, A.	3/4/65	CRD
CNLM-6179	Weekly Progress Report, 1 March to 5 March, 1965	Fader, W.	3/10/65	CRD

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CNLM-6180	Weekly Progress Report March 1-5, 1965	Parks, G.	3/9/65	CRD
CNLM-6181	Weekly Report - 3/5/65	Raring, L.	3/10/65	CRD
CNLM-6183	Visit to Brush Beryllium Company Elmore, Ohio, December 17, 1964	Thomas, E.	3/12/65	U
CNLM-6184	2 MW Test Facility Weight Estimates and Heat Loads	Burr, G.	3/22/65	U
CNLM-6185	Shield Requirements for Proposed CANEL Reactor Test Facility Based on Catalytic Construction Company Design	Friedman, A.	3/26/65	U
CNLM-6185 (Supp. 1)	Shield Requirements for proposed CANEL Reactor Test Facility with Revised Dose Tolerances	Friedman, A.	4/23/65	U
CNLM-6186	Preliminary Shielding Calculations for the Proposed SNAP-50 Nuclear Test Facility	Spring, R.	3/23/65	U
CNLM-6186 (Supp. 1)	Preliminary Shielding Calculations for the Proposed SNAP-50 Nuclear Test Facility	Spring, R.	5/11/65	U
CNLM-6188	System Error Analysis for Inpile Capsule Temperature Instrumentation	Fanciullo, S.	3/16/65	U
CNLM-6189	Change in Purchase Order Number 86617	Lindemann, G.	3/19/65	CRD
CNLM-6190	Work Requested: Metallurgical Examination of Test Thermocouples	Gibsky, J.	5/19/65	U
CNLM-6191	Weekly Progress Report, 8 March to 19 March, 1965	Fader, W.	3/24/65	CRD
CNLM-6192	SNAP-50/SPUR Nuclear Test Facility Design Criteria CANEL Site, Middletown, Connecticut	n.a.	5/20/65	U

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CNLM-6193	Request for Physics Information to Assist the Design Study of a 10 Mwe Powerplant for Manned Mars Missions	Chalfant, A.	3/23/65	CRD
CNLM-6194	Weekly Progress Report - 3/19/65	Raring, L.	3/24/65	CRD
CNLM-6195	AIAA - Navy Marine Systems and ASW Conference, March 8-10, 1965	Chalfant, A.	4/1/65	SRD
CNLM-6196	Services to be Performed on Experimental Release C-98	Lindemann, G.	3/29/65	CRD
CNLM-6197	Supplement to Phase I-A of Agreement 65-9 With Westinghouse Electric Corporation	Walton, J.	3/26/65	U
CNLM-6198	Weekly Progress Report March 15-19, 1965	Parks, G.	4/2/65	CRD
CNLM-6199	Trip Report of Plasma Spray Vendors AMPRO, TRW and NUMEC	Wallace, M.	3/31/65	U
CNLM-6200	Bore Seal Design for Reactor Coolant Pump	Walton, J.	3/31/65	U
CNLM-6201	Enclosures: 1.) Corrosion Studies of Refractory Metal Alloys in Boiling Potassium and Liquid NaK 2.) Corrosion Studies of Refractory Metals in Lithium	Kelly, K.	4/5/65	U
CNLM-6202	Weekly Progress Report March 22-26, 1965	Parks, G.	4/5/65	CRD
CNLM-6204	Review of USAEC-DRD Sponsored Reactor Structural Material Irradiation Studies	Rowe, G.	4/5/65	U
CNLM-6205	Weekly Progress Report 22 March to 26 March 1965	Fader, W.	3/30/65	CRD
CNLM-6206	ORNL and CANEL Weight Estimate of a 300 Kwe Boiling Potassium Reactor Powerplant System	Allen, J.	3/31/65	CRD
CNLM-6207	Weekly Progress Report - 3/26/65	Raring, L.	3/30/65	CRD

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CNLM-6208	Request for Design Study of 10 Mwe Powerplant for Manned Mars Mission	Chalfant, A.	3/30/65	CRD
CNLM-6208 (Supp. 1)	Supplement to CNLM-6208 Concerning Radiator Pipe Sizes	Chalfant, A.	4/5/65	CRD
CNLM-6208 (Supp. 2)	Design Study of 10 Mwe Powerplant for Manned Mars Mission	Blimmel, W. Rice, A.	5/24/65	CRD
CNLM-6209	Drawing Approval for Westinghouse Drawings Produced Under Agreement 65-9	Walton, J.	4/5/65	U
CNLM-6210	Summary of Plugging Meter Design and Operating Data	Woodward, C.	4/28/65	U
CNLM-6211	Flex Bearing Material Irradiation Test	Rowe, G.	3/31/65	U
CNLM-6212	Information Concerning the PW-29 Series of Capsule Experiments	Strough, R.	3/31/65	U CRD
CNLM-6215	Assessment of the Status of Thermionic Converter Development for Use With Nuclear Heat Sources, September, 1964	Chalfant, A.	4/5/65	CRD
CNLM-6216	Post-Irradiation Examination of Specimens from MCR Capsule Number 5	Scotti, V.	4/5/65	CDI
CNLM-6216 (Supp. 1)	Description of Photographic Negatives Pertinent to the Examination of Capsule MCR Number 5	Scotti, V.	4/8/65	CRD
CNLM-6216 (Supp. 2)	Photographic Negatives Taken in the Examination of Capsule MCR Number 5	Scotti, V.	4/7/65	U
CNLM-6217	Storage of Allis-Chalmers CAF-5 Fuel Rod Shipment in the CAFEE Building	Walsh, V.	4/27/65	U
CNLM-6217 (Amend. 1)	Ammendment Number 1 to CNLM-6217 "Storage of Allis-Chalmers CAF-5 Fuel Rod Shipment in the CAFEE Building"	Walsh, V.	6/7/65	U

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CNLM-6219	Weekly Progress Report March 29 - April 2, 1965	Parks, G.	4/5/65	CRD
CNLM-6220	Request for Data on Powerplant Control Studies and Reactor Transient Characteristics	Meyer, R.	4/6/65	U
CNLM-6221	Fast Neutron Dose From a Three-legged Duct in the Nuclear Test Facility Reactor Shield	Friedman, A.	4/14/65	U
CNLM-6221 (Supp. 1)	Neutron Dose to the Diffusion Pump Oil From Test Cell Wall Scattering	Friedman, A.	4/23/65	U
CNLM-6222	Weekly Progress Report - 4/2/65	Raring, L.	4/8/65	CRD
CNLM-6223	Weekly Progress Report 29 March to 2 April 1965	Fader, W.	4/7/65	CRD
CNLM-6224	Weight Estimate of a 300 Kwe Boiling Potassium Reactor Powerplant System to Compare With Similar Weight Estimate Prepared by ORNL	Meyer, R.	4/8/65	U
CNLM-6225	Space Reactor Panel Meeting 3/17/65	Meyer, R.	4/8/65	CRD
CNLM-6226	Report on Subcontractors of Plasma Spray Coatings for SNAP-50/SPUR Pump Bearing Application	Wallace, M.	4/13/65	U
CNLM-6227	Moisture Monitor Response Time	Robertson, D.	4/20/65	U
C NLM-6228	SNAP-50 Reactor Ground Test Afterheat Study, 8.6 Mwt	Burr, G.	5/17/65	CRD
CNLM-6231	Weekly Progress Report March 5-9, 1965	Parks, G.	4/15/65	CRD
CNLM-6232	Concrete Blocks Used for Neutron Interaction Isolation	Walsh, V.	4/14/65	U
CNLM-6233	Weekly Progress Report - 4/9/65	Raring, L.	4/15/65	CRD
CNLM-6234	Meeting on the Plum Brook Reactor	Doak, R.	4/19/65	U

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CNLM-6236	Tabulations of Neutron and Gamma Leakage for Three Reactor Sizes	Perry, P.	4/14/65	CRD
CNLM-6237	Enclosure of a Copy of CNLM-6230	Meyer, R.	4/15/65	U
CNLM-6239	Powerplant Drawings to be Used for Reactor Specifications	Allen, J.	4/19/65	U
CNLM-6240	Weekly Progress Report 16 April 1965	Fader, W.	4/19/65	CRD
CNLM-6242	Weekly Progress Report 4/14/65	Raring, L.	4/20/65	CRD
CNLM-6243	Weekly Progress Report April 12-16, 1965	Parks, G.	5/18/65	CRD
CNLM-6245	Contribution to the 20th High Temperature Fuels Committee Meeting April 30, 1965	DeCrescente, M.	4/30/65	CRD
CNLM-6246	Corrosion Studies of Refractory Metal Alloys in Boiling Potassium and Liquid NaK	Hodel, J. Kelly, K.	6/7/65	U
CNLM-6248	Acceptance Test for Fuel Tubes	Treciokas, V.	4/27/65	CRD
CNLM-6249	Comparison of SNAP-50/SPUR System with MHD Brayton, Boiling Reactor and Thermionic Systems	Allen, J.	5/5/65	CRD
CNLM-6250	Weekly Progress Report for Week Ending April 24, 1965	Fader, W.	4/27/65	CRD
CNLM-6251	Systems Integration and Applications Group Weekly Report - April 19-23, 1965	Meyer, R.	4/27/65	CRD
CNLM-6254	Visit to Westinghouse Aero-space Electrical Division, Lima, Ohio April 13, 14 and 15, 1965	Thomas, E.	5/3/65	U
CNLM-6256	Weekly Progress Report - 4/23/65	Raring, L.	4/30/65	CRD
CNLM-6257	Declassification of CANEL Alloys	Herron, H.	5/5/65	CRD

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CNLM-6257 (Rev. 1)	Bulletin Number 19 - Declassification of CANEL Alloys	Herron, H.	5/20/65	CRD
CNLM-6258 (Sec. 1)	SNAP-50 P&WA - CANEL Program Information	n.a.	5/4/65	CRD
CNLM-6258 (Sec. 2)	SNAP-50 P&WA - CANEL Program Information FY-66-72	n.a.	5/13/65	U
CNLM-6259	Calibration Test Points for Water Test Model Motors, SNAP-50/SPUR Pump Motor Development Program - Subcontract - Agreement 65-9	Thomas, E.	5/4/65	U
CNLM-6260	Preliminary Status of Tubing	Leeper, H.	5/27/65	U
CNLM-6261	Weekly Progress Report - 4/30/65	Raring, L.	5/7/65	CRD
CNLM-6262	Weekly Progress Report for Week Ending April 30, 1965	Fader, W.	5/4/65	CRD
CNLM-6263	Application of East Hartford Manned Mars Study Failure Rate Data to SNAP-50/SPUR Powerplant	Hoey, M.	5/11/65	U
CNLM-6265	Authorizing the Procurement of 30 Kilograms of U ²³⁵ in the Form of 97.5 Percent Enriched Uranium Metal for the Fabrication of UN Water Criticality Hazards Experiments at ORNL	Fader, W.	5/11/65	CRD
CNLM-6266	Hazards Analysis of Handling SNAP-50 Fuel Elements May 10, 1965	Walsh, V.	5/13/65	CRD
CNLM-6267	Weekly Progress Report 5/7/65	Raring, L.	5/21/65	CRD
CNLM-6268	Weekly Progress Report May 3-7, 1965	Parks, G.	5/18/65	CRD
CNLM-6269	Weekly Progress Report Week Ending May 7, 1965	Fader, W.	5/21/65	CRD
CNLM-6270	Shipment of Fuel Material to NUMEC	Herron, H.	5/11/65	CRD

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CNLM-6271	Meeting on the Babcock and Wilcox Test Reactor Irradiation Facilities	Ackermann, W.	5/19/65	U
CNLM-6272	Post-Irradiation of Capsules 552, 556, and 632	DeCrescente, M.	5/12/65	CRD
CNLM-6275	Information Concerning the Antimetallc Attack of Aircraft Structural Materials	Raring, L.	5/13/65	SDI
CNLM-6281	SNAP-50 Maximum Core Temperature After Shutdown in Orbit	Burr, G.	5/20/65	CRD
CNLM-6282	Classification Bulletin Number 20	Herron, H.	6/8/65	CRD
CNLM-6284	Weekly Progress Report May 14, 1965	Raring, L.	5/18/65	CRD
CNLM-6286	Weekly Progress Report May 10-14, 1965	Parks, G.	5/19/65	CRD
CNLM-6287	Progress Report for Week Ending May 14, 1965	Fader, W.	5/19/65	CRD
CNLM-6289	Visit to Westinghouse Aerospace Electrical Division, Lima, Ohio May 6 and 7, 1965	Thomas, E.	5/25/65	U
CNLM-6299	Request for Design Study of 1.2 Mwe Powerplant for Manned Applications	Chalfant, A.	5/20/65	CRD
CNLM-6299 (Supp. 1)	Reactor and Shield Details for 1.2 Mwe Powerplant Design Study	Chalfant, A.	6/9/65	CRD
CNLM-6300	Request for Physics Information to Assist the Design Study of a 1.2 Mwe Powerplant for Manned Electric Propulsion Missions	Chalfant, A.	5/24/65	CRD
CNLM-6300 (Supp. 1)	Request for Physics Information to Assist the Design Study of a 1.2 Mwe Powerplant for Manned Electric Propulsion Missions	Chalfant, A.	6/1/65	CRD
CNLM-6300 (Supp. 2)	Input for Detailed Reactor and Shield Design Calculations on 1.2 Mwe Powerplant for Manned Electric Propulsion Missions	Chalfant, A.	6/10/65	CRD

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CNLM-6301	Progress Report for Week Ending 21 May 1965	Fader, W.	5/25/65	CRD
CNLM-6302	Weekly Progress Report 5/21/65	Raring, L.	5/25/65	CRD
CNLM-6303	Weekly Progress Report May 17- 21, 1965	Parks, G.	5/25/65	CRD
CNLM-6307	ANP Powerplant Data	Meyer, R.	5/26/65	CRD
CNLM-6308	Status of SNAP-50/SPUR Pump Development Program	Wood, G.	6/15/65	U
CNLM-6309	Work Statement, Nuclear Powered Aircraft Study	n.a.	5/27/65	CRD
CNLM-6310	Work Statement, Nuclear Powered Aircraft Study	Meyer, R.	5/28/65	U
CNLM-6311	Fabrication of Core-Cartridge Assembly	Doyle, J. DeCrescente, M.	6/4/65	CRD
CNLM-6314	Weekly Progress Report 5/28/65	Raring, L.	6/2/65	CRD
CNLM-6315	Weekly Progress Report May 28, 1965	Parks, G.	6/4/65	CRD
CNLM-6317	Progress Report for Week Ending 28 May 1965	Fader, W.	6/4/65	CRD
CNLM-6318	Weekly Progress Report 6/4/65	Raring, L.	6/10/65	CRD
CNLM-6319	Weekly Progress Report June 4, 1965	Parks, G.	6/10/65	CRD
CNLM-6320	Progress Report for Week Ending 4 June 1965	Fader, W.	6/7/65	CRD
CNLM-6322	Revised Potassium Properties Data Effect on SNAP-50/SPUR Reference Design	Meier, R.	6/15/65	U
CNLM-6323	Corrosion Studies of Refractory Metals in Lithium	Cleary, R.	6/14/65	CRD
CNLM-6324	Weekly Progress Report June 11, 1965	Parks, G.	6/16/65	CRD
CNLM-6325	Progress Report for Week Ending 11 June 1965	Fader, W.	6/16/65	CRD

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CNLM-6326	Weekly Progress Report 6/11/65	Raring, L.	6/16/65	CRD
CNLM-6327	Stability of UN During Criticality Experiments	Lindemann, G.	6/23/65	U
CNLM-6328	Photographic Prints for MCR Capsule Number 6	Scotti, V.	6/18/65	CRD
CNLM-6328 (Supp. 2)	Photographic Negatives Taken in the Examination of MCR Capsule Number 6	Scotti, V.	6/23/65	U
CNLM-6329	Submitting an AEC-21 Form Entitled "Preliminary Request for Irradiation Service"	Strough, R.	6/16/65	U CRD
CNLM-6330	Review of Irradiation Effects on Metals	Carlson, C.	7/6/65	U
CNLM-6331	Progress Report for Week Ending June 16, 1965	Fader, W.	6/21/65	CRD
CNLM-6332	Weekly Progress Report - 6/18/65	Raring, L.	6/29/65	CRD
CNLM-6333	Weekly Progress Report June 18, 1965	Parks, G.	6/29/65	CRD
CNLM-6334	Site Survey for the Sodium Pump Test Facility	n.a.	6/30/65	U
CNLM-6335	Solubility Studies in Alkali Metals	Cleary, R. et al	6/24/65	U
CNLM-6336	SNAP-50/SPUR Reactor Coolant Pump Test Facility Status Report	Tuzes, A.	9/13/65	U
CNLM-6337	Studies Concerning the Chemical State of Carbon, Nitrogen and Oxygen in Alkali Metals	Kelly, K.	7/7/65	U
CNLM-6338	Weekly Progress Report June 25, 1965	Parks, G.	6/30/65	CRD
CNLM-6339	Weekly Progress Report June 25, 1965	Raring, L.	6/30/65	CRD
CNLM-6340	Pump Drive Motor Material Metal-to-ceramic Joint	Woodward, C.	7/7/65	U
CNLM-6341	Monthly Progress Report for June 1965	Fader, W.	7/1/65	CRD

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CNLM-6342	Summary of SNAP-50/SPUR Pump Bearing Development Program	Manfredi, D.	8/24/65	U
CNLM-6343	A 1.2 Mwe Powerplant Design	Chalfant, A.	7/27/65	CRD
CNLM-6344	Application of Internal Friction Methods to Corrosion Study in Columbium Alloys	Schenck, G.	7/30/65	U
CNLM-6345	UN, UC Compatibility With Lithium	Caplow, S.	7/16/65	CRD
C NLM-6346	Average Operating Temperatures and Test Times for Capsules "Inpile" at the End of MTR Cycle 227	Ackermann, W.	7/19/65	U
CNLM-6349	List of CANEL Critical Experiment Mock-up Materials	Paradis, E.	7/28/65	U
CNLM-6351	Literature Search of High Velocity Cross Flow Fluid Through Tube Bundles	Tayntor, P.	9/7/65	U
CNLM-6352	Electron Microprobe Analysis of Highly Radioactive Samples	Scotti, V.	9/20/65	U
CNLM-6353	Connecticut Advanced Nuclear Engine Laboratory Facilities Termination Report Volumes I and II	Bartlett, E.	10/15/65	U

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FXM-1745	Aspects of Neutron Shielding Utilizing Lithium Hydride	Newgard, J.	5/23/56	CRD
FXM-1800	Engineering Status Report for the Solid Fuel Element Reactor	Corliss, W.	7/12/56	CRD
FXM-1935	Static Liquid Metal-Salt Leak Test FXR-243, Rig Number 237F and Thermochemical Calculations Concerning Hot Flow Test Hazards Due to Chemical Action	Campbell, W.	7/23/56	U
FXM-2030	Chemical Analysis for Irradiated Capsule NDA-1-22	Meliaka, E.	8/29/57	U
FXM-2031	Chemical Analysis for Irradiated Capsule NDA-1-23	Meliaka, E.	9/16/57	U
FXM-2032	Chemical Analysis of Irradiated Capsule NDA-1-24	Mayer, R.	9/17/57	U
FXM-2033	Chemical Analysis for Irradiated Capsule NDA-1-25	Meliaka, E.	10/24/57	U
FXM-2034	Chemical Analysis for Irradiated Capsule NDA-1-26	Meliaka, E.	10/28/57	U
FXM-2035	Chemical Analysis of Irradiated Capsule NDA-1-28	Mayer, R.	11/22/57	U
FXM-2037	Chemical Analysis of Irradiated Capsule NDA-1-29	Mayer, R.	11/11/57	U
FXM-2038	Chemical Analysis of Irradiated Capsule NDA-1-30	Mayer, R.	11/11/57	U
FXM-2041	Summation Report of Post-Irradiated NDA Capsules 1-16, 1-17, 1-18, 1-19 and 1-20	Ward, E.	5/16/57	U
FXM-2042	Metallurgical Results of Irradiated NDA Capsules 1-22 and -123	Ward, E.	6/19/57	U
FXM-2043	Summation Report of Irradiated NDA Capsules 1-24 and 1-25	Ward, E.	11/4/57	U
FXM-2044	Metallurgical Results of Irradiated NDA Capsule 1-26	Ward, E. Johnson, R.	11/12/57	U

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FXM-2045	Metallurgical Results of Irradiated NDA Capsules 1-27 and 1-29	Ward, E. Perry, M.	1/6/58	U
FXM-2046	Summation Report of Irradiated NDA Capsules 1-28, 1-30 and 1-31	Ward, E.	3/4/58	U
FXM-2047	Summation Report of Irradiated NDA Capsules 1-16 through 1-20 and 1-22 through 1-31	Ward, E.	11/22/57	U
FXM-2048	Chemical Analysis of Irradiated Capsule NDA 1-31	Mayer, R.	12/30/57	U
FXM-2066	Estimated Uncertainties in Shielding Calculating	Dee, J.	8/28/56	CRD
FXM-2077	Review of Lithium Technology	Limoncelli, E.	9/5/56	SRD
FXM-2168	Engineering Specifications for the 190 MW Reactor (PWAR-6)	n.a.	10/2/56	U
FXM-2210	Materials Data for PWAR-6 Design	Raring, L.	10/17/65	U
FXM-2219	Effect of Switching Fluid From the Outside to the Inside of the Tubes in the Fuel-NaK Heat Exchanger	Chalfant, A.	10/18/56	U
FXM-2236	Effect of Reactor Temperatures on Nuclear Rocket Performance Using Hydrogen as the Propellant	Larson, J.	10/25/56	CRD
FXM-2238	Method of Estimating a Heat Exchanger Tube Inside Tubes	Hopkins, H.	10/23/56	CRD
FXM-2258	Possible Shield Weight Savings From U and LiH	Woodsum, H.	10/26/56	CRD
FXM-2298	Analytical Design of an Internal IRT Heat Exchanger for PWAR-6 CFR-Fuel In-Tubes	DeWinter, T.	12/5/56	U
FXM-2534	A Neutron Physics Analysis of the Fuel Dump Tanks for Liquid Fuel Reactors	Shapiro, D.	1/4/57	U
FXM-2605	Analysis of Helium Cycle	n.a.	2/6/57	CRD
FXM-2627	Solid Fuel Test Reactor Preliminary Specification	Farmer, W.	2/13/57	CRD
FXM-2633	Trip to KAPL to Discuss Liquid Metal Slurries	Chalfant, A.	2/20/57	CRD

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FXM-2649	Metallurgical Examination of Sylvania Wafer Fuel Element No. A2 After Thermal Shock Testing	Goodenow, R.	3/1/57	CRD
FXM-2684 Rev. A	Modification to 1-D Multi-Group Code. Reference 2684	Prescott, L.	11/22/57	U
FXM-2684 Rev. B	Modifications to 1-D Multi-Group Code Reference FXM-2684	Prescott, L.	5/7/58	U
FXM-2684 Rev. C	Limitations on Use of 1-D Multi-Group Code Tape Load Deck 4348	Hosking, R.	2/18/59	U
FXM-2694	Preliminary Engineering Report on the Moliball Reactor	Chalfant, A.	4/24/57	CRD
FXM-2741	Preliminary Design of Circulating Fuel Core Cooled and Moderated Reactor	Strough, R.	4/26/57	CRD
FXM-2758 Supp. E	Fifth Revision of Summary of Forced Convection Lithium-Sodium-NaK Corrosion Loop Specifications	Wesbecher, J.	4/29/59	CDI
FXM-2816	Design Specifications for Heat Exchanger Test Stands 3 and 4, FXR-1480	Muenchow, H.	4/25/57	CRD
FXM-2832	Specifications and Weight Estimation for a 600 MW Columbian CFR	Koppel, P.	5/2/57	CRD
FXM-2837	Evaluation of Fast Reactor FSFR I Analytical Design A	Hopkins, H.	5/9/57	CRD
FXM-2864	SRF Control Mode Study	Thompson, D.	6/5/57	CRD
FXM-2907	Tensile Testing of 316 SS at Elevated Temperatures and Various Straining Rates	Burgess, K.	6/18/57	CRD
FXM-3003	Summation Report of Irradiated Cap-Trefiokas, V. sules PW 12-5, PW 12-6, and PW 12-7		7/28/58	CRD
FXM-3011	Summation Report of Irradiated Capsules PW 12-31 and PW 12-32	Salter, P. Melaika, E.	1/6/59	CRD
FXM-3013	Summation Report on Irradiated Capsules PW 12-15, PW 12-16, and PW 12-17	Owings, J. Melaika, E.	1/16/59	CRD
FXM-3034	Summation Report for Irradiated Capsules PW 18-250 and PW 18-251	Owings, J. Melaika, E.	2/23/60	CRD
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FXM-3036	Summation Report for Irradiated Capsules PW 21-12 and PW 21-13	Ward, E. Melaika, E.	3/29/60	CRD

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FXM-4840	Examination Results of Capsule PW 21-300C	Loethen, A.	2/14/61	CRD
FXM-4846	Transient Analysis and Perfor- mance of the NJ-18A Powerplant	Beltracchi, L.	3/2/61	CRD
FXM-4861	A Comparison of Radiator Airside Versus Radiator NaK Side Heat Measurement for Nuclear Heat Compensation in the NJ 18A Power- plant	Beltracchi, L.	1/6/61	SRD
FXM-4865	Evaluation Tests of 316 Stain- less Steel Tube-to-Header Joints	Bentsen, B.	12/22/60	U
FXM-4874	Preliminary Design of UC Fueled Reactor	Check, P.	1/12/61	CRD
FXM-4876	Shielding Lecture II - Development of Gamma and Neutron Dose Codes at CANEL	Woodsum, H.	1/5/61	U
FXM-4879	Calculated Lithium Activity in a 200 MW Version of the PWAR-11C	Ingenito, F.	12/14/60	CRD
FXM-4881	Summation Report of Irradiated Capsule PW 18-252	Owings, J.	2/22/61	CRD

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FXM-4882	Examination of Control Pins 242C, 258C, 263C, 264C, 289C for In-pile Capsules Series PW 21-270	Lomerson, E.	1/24/61	CRD
FXM-4884	Fission Product Activity Release Due to a PWAR-11 Fuel Pin Cladding Rupture	Niggemann, R.	12/22/60	CRD
FXM-4904	Four Inch Diameter Columbium-1 Zirconium Sheet Pressure Vessel Tests Summary	Triner, N.	1/23/61	CRD
FXM-4906	Electrical Analog Study of Temperature Distribution Resulting from the Use of Finned Cooling Tubes in LiH Shielding	Rogerson, J.	2/21/61	CRD
FXM-4909	Summation Report for Irradiated Capsules PW 21-272 and PW 21-273	Owings, J.	4/5/61	CRD
FXM-4917	A High Power Extreme Endurance Mobile Reactor Concept with Aircraft Nuclear Propulsion Potential	Johnson, C.	1/6/61	CRD
FXM-4926	Analysis of Contact Reactions in Flanges	Meck, H.	1/6/61	U
FXM-4928	Preliminary Design Study of the Twin PWAR-11 Reactor Shield for the NJ-18A Powerplant	Perry, P.	3/30/61	CRD
FXM-4929	Heat Generation in the Reactor Shield of the NJ-18A Powerplant	Alessandro, L.	1/30/61	CRD
FXM-4931	The Selection of the NJ-18A Powerplant Shield Coolant and the Determination of its Maximum Allowable Exposure Time to Radiation	Alessandro, L.	4/5/61	CRD
FXM-4933	HE-11CS Heat Exchanger Stress Analysis and Operating Conditions	West, H.	12/29/60	CRD
FXM-4936	An Electronic Analog Study of Nuclear Heat Compensation Utilizing a Turbojet Chemical Fuel Control	Beltracchi, L.	3/17/61	CRD
FXM-4975	Evaluation of Ceramic Materials MyKroy 830, MyKroy 832 and Supramica 620 for Use as Electrical Insulators During Irradiation	Silver, M.	1/31/61	CRD

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FXM-4986	Physical and Thermodynamic Properties of Lithium	Crane, N.	2/10/61	U
FXM-4988	A Liquid Metal Fire Control System	McGrath, T.	3/24/61	U
FXM-5005	Design Requirements PWAR-11C Shield Air Cooling Systems	Zeisser, M.	3/1/61	CRD
FXM-5011	Neutron Start-up Source Preliminary Shield Design	Chin, F.	4/5/61	CRD
FXM-5034	JP-5 Fuel Radiation Damage	Kunkle, C.	3/2/61	CDI
FXM-5047	PWAR-11 Type Nuclear Reactor Systems Utilizing PWAR-11 Geometry with Material Composition Alterations	Johnson, C.	3/14/61	CRD
FXM-5056	Radiation Heating in the PWAR-11C Reactor	Granter, W.	3/22/61	CRD
FXM-5073	PWAR-11C Shielding Stress Analysis	West, H.	4/4/61	CRD
FXM-5099	PWAR-11C Reflector and Control Drum Analysis	Meck, H.	4/19/61	SRD
FXM-5232	"Perpetual" a High Power, Ten Million MW Hr. Plus, Fast Breeder Reactor Concept	Johnson, C.	4/18/61	CRD
FXM-5239	Primary Gamma, Secondary Gamma and Fast Neutron Dose Rates at 50 Feet for the PWAR-11C Reactor	Tirellis, G.	4/19/61	CRD
FXM-5249	Thermal Conductivity of Various Volume Mixtures of BeO-UO ₂	Harrington, L.	4/19/61	CRD
FXM-5260	Program Report on the Source Integration and Gamma-Neutron Dose Calculations Incorporated Into the Existing 1-D Code. Deck 4430	Shuttleworth, J.	4/25/61	U
FXM-5331	Reflector Savings in Slab Geometry	Check, P.	7/21/61	U

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FXM-5332	Some Preliminary Data from the P&WA Divided Shield Experiments at ORNL (Contract AT(11-1)-229)	Paradis, E.	9/22/61	CRD
FXM-5369	Digital Computer Codes Available at CANEL for Physics Calculations (AT(30-1)-2789)	Alwang, W.	9/13/61	U
FXM-5370	NASA Space Radiator and Condenser Facility-Potassium Boiler NAS ₃ -1833	Fritz, R.	9/12/61	U
FXM-5374	Preliminary Estimate of Space Requirements for Non-Nuclear Controls and Instrumentation Located within the Low Power Reactor Containment Vessel (Contract AT(30-1)-2789)	Naples, P.	9/12/61	U
FXM-6012	Dimensional Stability of Beryllium under Fast Neutron Irradiation - A Literature Survey	Zinnes, A.	11/6/61	CRD
FXM-6013	Design Selection of the PWAR-16	Zinnes, A.	12/7/61	CRD
FXM-6015 Supp. 1	Stress-Rupture Strength of Annealed (2200F) CS-1833 and 1836 (Cb-1 Zr) Materials, Issued January 30, 1962	Stewart, J.	2/8/62	CRD
FXM-6047	Revision of the Frequency Response Function of the PWAR-16 Test Reactor Dated December 15, 1961	Gagnor, R.	1/3/62	CRD
FXM-6056	PWAR-16 Identification System Dated December 27, 1961	Schaefer, R.	1/3/62	U
FXM-6056 Supp. 1	PWAR-16 Identification System	Schaefer, R.	2/14/62	U
FXM-6056 Supp. 2	LCRE Identification System, Terminal Boards and Lines	Schaefer, R.	5/22/62	U
FXM-6056 Supp. 3	LCRE Identification System	Schaefer, R.	5/22/62	U
FXM-6056 Supp. 5	LCRE Identification System	Schaefer, R.	8/17/62	U
FXM-6056 Supp. 6	LCRE Identification System	Schaefer, R.	10/5/62	U

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FXM-6056 Supp. 7	LCRE Identification System	Schaefer, R.	10/24/62	U
FXM-6089	Considerations for a Pile Oscillator for the Low Power Reactor Experiment	Tedesco, R.	2/19/62	U
FXM-6124	Transfer Function Measurement Using Noise Analysis Techniques	Gagnon, R.	3/7/62	U
FXM-6151	CCA-6 Information Bulletin No. 1	Callen, R.	4/3/62	CRD
FXM-6167	CCA-6 Information Bulletin No. 2	Callen, R.	4/24/62	CRD
FXM-6185	SNAP-50 Primary Pump Seal Feasibility Test Unit, April 24, 1962	Marman, H.	5/1/62	U
FXM-6197	Thermal Conductivity of ZTA Graphite	Rowe, G.	5/21/62	U
FXM-6204	Dynamic Seal and Face Seal Test Program	Marman, H.	5/22/62	U
FXM-6216	Analytical Relative Power Dis- tribution, Flux and Importance Function Curves, and Indicated Poison Drum Control for the LCRE. Dated May 23, 1962	Johnson, C.	6/4/62	CRD
FXM-6227	Selection of Braze Alloy for Cb-1 Zr Inpile Capsule Assem- bly. June 4, 1962	Doyle, J.	6/5/62	CRD
FXM-6230	Determination of the Viscosity of High Temperature Liquid Metal Vapors	Grossman, H.	6/12/62	U
FXM-6243	SNAP-50 Hydrostatic Thrust Bearing	Odum, P.	8/6/62	U
FXM-6262	Request for Stand Rework - Instrumentation and Controls for Dynamic Seal and Face Seal Test Rig, X-548	Lucas, B.	6/26/62	U
FXM-6283	Trip Report	Odom, P.	7/17/62	U
FXM-6305	Comparable Reactor Sizes, for SNAP-50 Application, of 95% Enr. U ²³⁵ C, 100% Enr. U ²³³ C, and 93% Enr. Pu ²³⁹ C	Johnson, C.	9/17/62	CRD

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FXM-6306	Design of Radial Bearing Test Rig for Liquid Metal Testing	Butler, J.	8/6/62	CRD
FXM-6311	Pump Dry-gas Face Seal Test Program	Abrams, M.	9/7/62	U
FXM-6315	CCA-6 Information Bulletin No. 4	Callen, R.	9/24/62	CRD
FXM-6330	Analysis of the Effect of Inherent Reactivity Feedback Mechanism on Reactor Stability	Gagnon, R.	10/9/62	U
FXM-6331	Input for IBM-7090 Version of the Unit Shield Optimization Program (S.O. -2), Deck 4353	Shuttleworth, J.	11/9/62	U
FXM-6416	Total Vaporization Boiler	Kardys, C.	12/10/62	U
FXM-6426	Eddy Current Losses in Canned Motors	Lamers, R.	1/11/63	U
FXM-6427	Condenser Size Estimate for 1 MW, 100 KW and 35 KW Boiler Tests	Bersin, G.	3/12/63	U
FXM-6431	Liquid Metal Bearing Test of a a Radial Hydrodynamic Bearing	Butler, J.	1/30/63	U
FXM-6432 Supp. 1	Electronic Analog Study of the LCRE Core Exit Lithium Temperature Control	Beltracchi, L.	5/15/63	CRD
FXM-6444 Supp. 1	Redesign of Bearing Test Unit and Stand for In-line Drive	Manfredi, D.	10/3/63	U
FXM-6448	Minimum Cb-1 Zr Material Properties for SNAP-50 Preliminary Design	Bigelow, C.	1/30/63	CRD
FXM-6478	Work Related to SNAP-50 Boiler Design Needs Being Conducted at Other Installations	Kardys, C.	2/20/63	U
FXM-6512	The Effects of Reducing Reactor Outlet Temperature in the 300 Kwe SNAP-50 Powerplant	Perry, P.	4/2/63	CRD
FXM-6530	SNAP-50 High Temperature Study	Daum, N.	4/26/63	CRD
FXM-6549	CCA-6 Information Bulletin No. 5	Callen, R.	10/1/63	CRD
FXM-6550	Status Report - LCRE Physics	McNeill, H.	7/15/63	CRD

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FXM-6611	SNAP-50 Reactor Parametric Studies	Fish, R.	9/16/63	CRD
FXM-6611 Supp. 2	Comparison of Reactor Fuels and Other Assumptions on SNAP-50 Powerplant Weights (Preliminary Evaluation)	Bigelow, C.	7/29/63	CRD
FXM-6611 <i>Supp. 4</i>	Preliminary Reactor Specifications for SNAP-50	Rotondo, C.	9/19/63	CRD
FXM-6613	Design Studies for SNAP-50/SPUR Primary Pump	Marman, H.	9/30/63	CRD
FXM-6614	Separators (Back-up for 100% Boilers)	Horan, J.	6/6/63	U
FXM-6614 Supp. 1	Boiler Packaging Study	Bernstein, E.	7/29/63	U
FXM-6614 Supp. 2	Sine Wave Boiler (SIN-1)	Bernstein, E.	8/6/63	U
FXM-6614 Supp. 3	Boiler Tube Length Computer Program	Bernstein, E.	9/30/63	U
FXM-6614 Supp. 6	Sin I and Sin II Boiler Temperature Gradients	Bernstein, E.	11/13/63	U
FXM-6616	Generator Design for SNAP-50 First Flight Powerplant	Walton, J.	7/9/63	CRD
FXM-6626 Supp. 1	Instrumentation and Controls	Woltmann, C.	10/28/63	U
FXM-6626 Supp. 2	Instrumentation and Controls	Woltmann, C.	10/28/63	U
FXM-6626 Supp. 3	Instrumentation and Controls	Woltmann, C.	10/28/63	U
FXM-6631	Usage of Reactor Kinetics Code AIREK-IIA, to Accelerate Calculations with the Power Excursion Program, THERMONETICS	Paluszkiewicz, S.	11/14/63	U
FXM-6633	Experimental Work Related to SNAP-50 Technology-A Literature Survey	Windedahl, L.	7/2/63	CRD
FXM-6646	Revised 300 Kwe SNAP-50/SPUR Powerplant	Meier, R.	7/9/63	CRD

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FXM-6660	SNAP-50/SPUR Meeting July 9, 1963 - Germantown, Maryland	Murphy, J.	7/18/63	CRD
FXM-6668	SNAP-50TDC Analysis of Side Reflector Reactivity Control, Core Power Density and Other Physics Data as a Function of Side Reflector Control Position	Johnson, C.	10/9/63	CRD
FXM-6677	Design Analysis of Pump Study FSK 14869 for Application on SNAP-50/SPUR	Marman, H.	7/29/63	CRD
FXM-6679	Trip Report to Los Angeles During March 4-8, 1963	Wood, G.	7/29/63	U
FXM-6692	Heat Trap Design for LKCCA Boiling Potassium Loop	Costales, D.	8/30/63	U
FXM-6694	Visit to Republic Aviation Corporation	Gaffin, W.	8/9/63	U
FXM-6696	Visit to WPAFB	Gaffin, W.	8/30/63	CDI
FXM-6710	Critical Speed Calculation of SNAP-50 Pumps	Welna, H.	9/16/63	CRD
FXM-6719	5 Parameter Study of UO ₂ Systems for SNAP-50	Goodman, R.	9/30/63	CRD
FXM-6722	Investigation of Power Distribution in Reflector Controlled Reactors	Bauer, H.	10/28/63	U
FXM-6725	Motor Data for SNAP-50/SPUR System Studies	Cooper, K.	10/3/63	CRD
FXM-6733	Design of Liquid Metal Hydrostatic Test Unit, LMB-2A	Catlin, J.	10/1/63	U
FXM-6733 Supp. 1	Design of Liquid Metal Hydrostatic Test Unit, LMB-2A	Catlin, J.	10/31/63	U
FXM-6734	Physics Parametric Data for UC-Fueled Reactor	Tirellis, G.	10/28/63	CRD
FXM-6735	Hydrostatic Thrust Bearing Laminar Flow Analysis	Groll, D.	10/29/63	U
FXM-6737	Cavitation Damage Test Unit	Lucas, B.	9/30/63	U
FXM-6746	Material Selection for LM Bearings	Manfredi, D.	10/8/63	U

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FXM-6747	Hydrostatic Journal Bearings, Turbulent Flow Analysis Assuming No Rotation and No Circumferential Flow	Groll, D.	10/10/63	U
FXM-6747 Supp. 1	<i>Corrections for Fxm-6747</i>	Groll, D.	12/27/63	U
FXM-6754 Supp. 1	Preliminary Re-arrangement Study Based on Reference De- sign No. 1	Allen, J.	1/31/64	CRD
FXM-6768	Thermocouple Development Documentation	Woltmann, C.	10/28/63	U
FXM-6768 Supp. 1	Thermocouple Development	Hofmann, H.	10/28/63	U
FXM-6768 Supp. 2	Thermocouple Development	Hofmann, H.	10/28/63	U
FXM-6768 Supp. 3	Status of Thermocouple Development	Bliss, P.	10/28/63	U
FXM-6768 Supp. 7	Thermocouple Development - Contamination of Hot Junction Welds vs. Depth of Insulation Removal.	Neumeister, R.	10/29/63	U
FXM-6769	Coolant Loss Effect for Dilute Plutonium Breeder Reactors	Check, P.	10/29/63	U
FXM-6782	Radiator Area Limitation of SNAP-8 and SNAP-50 in the Lunar Base Application using Saturn V Payload Envelope	Criso, A.	11/8/63	CRD
FXM-6825	Comparison of P&WA's and AiResearch's Structural Systems for SNAP-50 Vehicle	Oslick, H.	12/11/63	U
FXM-6926	Shell Thermal Gradient Data Correlation	Jones, K.	3/25/64	U
FXM-6974	Initial Specifications of the PWAR-20 Core Exit Lithium Temperature Control	Beltracchi, L.	5/27/64	CRD
FXM-7021	Final Report of SNAP-50/SPUR Pump Motor Stress Analysis	Wysocki, P.	5/11/64	CRD
FXM-7039	Thermal Stresses in Short and Long Cylindrical Sheets Sub- ject to Axial Temperature Gradients	Kalinowski, A.	8/19/64	U

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FXM-7061	Homopolar DC Machinery	Roebuck, J.	6/12/64	U
FXM-7121	Electrical Evaluation of SNAP-50/SPUR Motor Development Proposals	McConville, J.	7/30/64	CRD
FXM-7175 Supp. 1	Fabrication, Assembly and Inspection Data of Inpile Capsules PW 26-658, 662, 664, 665, 667, 669	Lindemann, G.	10/11/65	CRD
FXM-7196	Report of Meeting on Liquid Metal, Radial Hydrostatic Bearing Test - Model 219-B-5	Richards, W.	10/30/64	U
FXM-7224	The Effect of Power Coefficient and Power Level on Control of the Reference 4, Model 604-BA-1 Reactor, dtd. 11-27-64	Morse, R.	12/16/64	CRD
FXM-7228 Supp. 1	Sine-wave Boiler Tubes Correction	Gemma, A.	5/19/65	U
FXM-7276	Preliminary Study of Shield Weights for Manned SNAP-50/SPUR Applications January 8, 1965	d'Arcy, R.	1/19/65	CRD
FXM-7313	UN/Mo Compatibility Test	Muszynski, R.	2/23/65	CRD
FXM-7340	Trip Report on Visit to Atomics International, March 17, 1965	Smolen, J.	3/24/65	CRD
FXM-7348 Supp. 2	Trip Report to ORNL for the Period 3/29/65 to 3/31/65, April 13, 1965	Walsh, V.	4/19/65	CRD
FXM-7348 Supp. c	Rellector Drive for ZPT-1	Smith, A.	5/18/65	U
FXM-7357	A Computer Program for the Precise Determination of Lattice Constants	Manziona, A.	5/13/65	U
FXM-7377	Design of a 600F NaK-78 Direct Current Electromagnetic Pump Assembly with Instrumentation	McConville, J.	6/7/65	U
FXM-7378	Trip Report - AiResearch, Phoenix, May 11, 1965	Randall, D.	5/24/65	U

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FXM-7382	Shipping of Materials to San Fernando Laboratories, May 28, 1965	Herron, H.	6/2/65	CRD
FXM-7383	Inhouse Vapor Deposition Work May 28, 1965	Herron, H.	6/3/65	CRD
FXM-7410	Tunnel Diodes	Connolly, A.	7/6/65	U
FXM-7413	Fabrication, Assembly and Inspection Data of Inpile Cap- sules PW 26-649, 533, 584, 722, 724, PW 29-002, 003	Bascom, D.	10/11/65	CRD

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CES-101	Estimated Performance of a Nuclear Turbojet Engine for Subsonic Flight Missions	Daum, N.	1/16/61	CDI
CES-102	Estimated Performance of a Nuclear Turbojet Engine for Subsonic Flight Missions	Daum, N.	1/10/61	CDI
CES-103	CANEL Engine Study - Estimated Performance of a Nuclear Turbojet Engine for Subsonic Flight Missions	Daum, N.	1/6/61	CDI
CES-104	Estimated Performance of a Nuclear Turbofan Engine	Whittaker, R.	2/21/61	CDI
CES-105	Estimated Performance of a Nuclear Turbojet Engine with Duct Heating	Whittaker, R.	2/21/61	CDI
CES-106	Estimated Performance of a Nuclear Turbojet Engine for High Altitude Subsonic Flight Missions	Meier, R.	4/3/61	CDI
CES-107	Estimated Performance of a Nuclear Turbojet Engine with Reheat	Kummerer, K.	3/23/61	CDI

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CRS-1001	Specification for Reactor Number 1001	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1002	Specification for Reactor Number 1002	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1003	Specification for Reactor Number 1003	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1004	Specification for Reactor Number 1004	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1005	Specification for Reactor Number 1005	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1006	Specification for Reactor Number 1006	Westheimer, G.	11/4/59	CRD
CRS-1007	Specification for Reactor Number 1007	Westheimer, G. Dissler, J.	11/4/59	CRD
CRS-1008	Specification for Reactor Number 1008	Westheimer, G. Dissler, J.	11/24/59	CRD
CRS-1009	Specification for Reactor Number 1009	Westheimer, G. Dissler, J.	11/24/59	CRD
CRS-1010	Specification for Reactor Number 1010	Westheimer, G. Dissler, J.	12/2/59	CRD
CRS-1011	Specification for Reactor Number 1011	Westheimer, G. Dissler, J.	12/4/59	CRD
CRS-1012	Specification for Reactor Number 1012	Westheimer, G. Dissler, J.	11/24/59	CRD
CRS-1013	Specification for Reactor Number 1013	Westheimer, G. Dissler, J.	12/4/59	CRD
CRS-1014	Specification for Reactor Number 1014	Westheimer, G. Dissler, J.	12/3/59	CRD
CRS-1015	Specification for Reactor Number 1015	Westheimer, G. Dissler, J.	12/3/59	CRD
CRS-1016	Specification for Reactor Number 1016	Westheimer, G. Dissler, J.	12/4/59	CRD
CRS-1017	Specification for Reactor Number 1017	Levengood, J.	12/11/59	CRD

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CRS-1018	Specification for Reactor Number 1018	Levengood, J.	2/5/60	CRD
CRS-1019	Specification for Reactor Number 1019	Levengood, J.	1/20/60	CRD
CRS-1020	Specification for Reactor Number 1020	Levengood, J.	2/5/60	CRD
CRS-1021	Specification for Reactor Number 1021	Levengood, J.	1/20/60	CRD

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CSS-1001	Shield Specification Number 1001	Palabay, C. Johnson, H.	11/4/59	CRD
CSS-1002	Shield Specification Number 1002	Palabay, C. Johnson, H.	11/4/59	CRD
CSS-1003	Shield Specification File...	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1004	Shield Specification File - Shield Specification Number 1004	Palabay, C. Johnson, H.	11/24/59	CRD
CSS-1005	Shield Specification Number 1005	Palabay, C. Johnson, H.	11/24/59	CRD
CSS-1006	Shield Specification Number 1006	Palabay, C. Johnson, H.	1/5/60	CRD
CSS-1007	Shield Specification Number 1007	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1008	Shield Specification Number 1008	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1009	Shield Specification Number 1009	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1010	Shield Specification Number 1010	Palabay, C. Johnson, H.	12/17/59	CRD
CSS-1011	Shield Specification Number 1011	Palabay, C. Johnson, H.	12/3/59	CRD
CSS-1011A	Shield Specification Number 1011A	Palabay, C. Johnson, H.	12/18/59	CRD
CSS-1012	Shield Specification Number 1012	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1013	Shield Specification Number 1013	Palabay, C. Johnson, H.	12/17/59	CRD
CSS-1014	Shield Specification Number 1014	Palabay, C. Johnson, H.	1/5/60	CRD
CSS-1015	Shield Specification Number 1015	Palabay, C. Johnson, H.	11/24/59	CRD
CSS-1016	Shield Specification Number 1016	Palabay, C. Johnson, H.	12/2/59	CRD
CSS-1017	Shield Specification Number 1017	Johnson, H.	12/2/59	CRD

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CSS-1018	Shield Specification Number 1018	Johnson, H.	11/25/59	CRD
CSS-1019	Shield Specification Number 1019	Palabay, C. Johnson, H.	11/25/59	CRD
CSS-1020	Shield Specification Number 1020	Johnson, H.	12/2/59	CRD
CSS-1021	Shield Specification Number 1021	Johnson, H.	12/5/59	CRD
CSS-1022	Shield Specification Number 1022	Palabay, C. Johnson, H.	1/20/60	CRD
CSS-1023	Shield Specification Number 1023	Palabay, C. Johnson, H.	1/22/60	CRD
CSS-1024	Shield Specification Number 1024	Palabay, C.	1/5/60	CRD
CSS-1025	Shield Specification Number 1025	Johnson, H.	1/15/60	CRD
CSS-1026	Shield Specification Number 1026	Palabay, C.	1/20/60	CRD
CSS-1027	Shield Specification Number 1027	Johnson, H.	1/20/60	CRD
CSS-1028	Shield Specification Number 1028	Palabay, C. Johnson, H.	1/27/60	CRD
CSS-1029	Shield Specification Number 1029	Palabay, C.	1/27/60	CRD
CSS-1030	Shield Specification Number 1030	Johnson, H.	1/27/60	CRD
CSS-1031	Shield Specification Number 1031	Johnson, H.	5/12/60	CRD
CSS-1032	Shield Specification Number 1032	Palabay, C.	3/4/60	CRD
CSS-1033	Shield Specification Number 1033	Palabay, C. Johnson, H.	4/26/60	CRD
CSS-1034	Shield Specification Number 1034	Palabay, C. Johnson, H.	4/26/60	CRD
CSS-1035	Shield Specification Number 1035	Palabay, C. Johnson, H.	4/22/60	CRD

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CSS-1036	Shield Specification Number 1036	Palabay, C. Johnson, H.	4/22/60	CRD
CSS-1037	Shield Specification Number 1037	Palabay, C. Johnson, H.	4/25/60	CRD
CSS-1038	Shield Specification Number 1038	Woodsum, H. Enos, E.	4/25/60	CRD
CSS-1039	Shield Specification Number 1039	Johnson, H. Palabay, C.	5/12/60	CRD
CSS-1040	Shield Specification Number 1040	Zagoren, M.	10/10/60	CRD
CSS-1041	Shield Specification Number 1041	Zagoren, M.	10/10/60	CRD
CSS-1042	Shield Specification Number 1042	Johnson, H.	11/21/60	CRD
CSS-1043	Shield Specification Number 1043	Zagoren, M.	10/31/60	CRD
CSS-1044	Shield Specification Number 1044	Zagoren, M. Johnson, H.	2/15/61	CRD
CSS-1045	Shield Specification Number 1045	Zagoren, M. Johnson, H.	1/19/61	CRD
CSS-1046	Shield Specification Number 1046	Johnson, H.	1/26/61	CRD
CSS-1047	Shield Specification Number 1047	Zagoren, M.	1/27/61	CRD
CSS-1048	Shield Specification Number 1048	Johnson, H. Zagoren, M.	5/9/61	CRD

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FPS-C-1	Preliminary Specification for the PWAR-1 Control Rod Drive System	n.a.	6/7/57	SRD
FPS-C-1A	Preliminary Specification for the PWAR-6 Control Rod Drive System	n.a.	1/21/57	SRD
FPS-C-7	Preliminary Specification for the JTN-9 Combined Engine Fuel and Exhaust Nozzle Area Control	n.a.	8/23/56	CRD
FPS-C-14	Preliminary Specification for the JTN-9 Afterburner Fuel Control	n.a.	9/4/56	SRD
FPS-C-15	Preliminary Specification for the JTN-9 Main Engine Fuel Pump	n.a.	9/11/56	SRD
FPS-C-16	Preliminary Specification for the JTN-9 Afterburner Fuel Pump	n.a.	9/13/56	SRD
FPS-C-19	Preliminary Specification for Variable Speed Hydraulic Drive for Large Pneumatic Flow Bench	n.a.	1/28/58	U
FPS-C-20	Preliminary Specification for Variable Speed Hydraulic Drive for Dynamic Control Test Bench	n.a.	Not dated	U
FPS-C-21	Preliminary Specification for High and Low Temperature Hydraulic Test Bench	n.a.	Not dated	U
FPS-C-22	Preliminary Specification for High and Low Temperature Pneumatic Test Bench	n.a.	Not dated	U
FPS-C-23	Preliminary Specification for a Low Pressure Pneumatic Test Bench	n.a.	Not dated	U
FPS-C-23 (Rev. A)	Specification for Low Pressure Pneumatic Test Bench	n.a.	4/3/57	U
FPS-C-24	Preliminary Specification for Environmental Test Chamber	n.a.	Not dated	U
FPS-25	Preliminary Specification for a High Pressure Helium Test Bench	n.a.	Not dated	U

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FPS-C-26	Preliminary Specification for Variable Speed Electric Drive	n.a.	Not dated	U
FPS-C-26 (Rev. A)	Specification for Large Variable Speed Electric Drive	n.a.	4/3/57	U
FPS-C-27	Preliminary Specification for Fuel Control Flow Bench	n.a.	Not dated	U
FPS-C-27 (Rev. A)	Specification for the Fuel Control Flow Bench	n.a.	4/3/57	U
FPS-C-28	Preliminary Specification for Large Pneumatic Test Bench	n.a.	Not dated	U
FPS-C-28 (Rev. A)	Specification for Large Pneumatic Test Bench	n.a.	4/3/57	U
FPS-C-29	Preliminary Specification for Static Fuel Control Flow Bench	n.a.	Not dated	U
FPS-C-30	Preliminary Specification for Fuel Nozzle and Spray Bar Flow Bench	n.a.	Not dated	U
FPS-C-30 (Rev. A)	Specification for Fuel Nozzle Flow Bench	n.a.	4/3/57	U
FPS-C-31	Preliminary Specification for a High Pressure Air System	n.a.	Not dated	U
FPS-C-31 (Rev. A)	Specification for High Pressure Air System	n.a.	4/3/57	U
FPS-C-32	Preliminary Specification for High Temperature Fuel Flow Bench	n.a.	Not dated	U
FPS-C-33	Preliminary Specification for Fuel Control Flow Bench - Low Temperatures	n.a.	Not dated	U
FPS-C-34	Preliminary Specifications for Refrigeration System	n.a.	Not dated	U
FPS-C-35	Preliminary Specifications for High and Low Temperature Test Chamber	n.a.	Not dated	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
FPS-C-36	Preliminary Specifications for Fuel Control Flow Bench for Contaminated Fuels	n.a.	Not dated	U
FPS-C-37	Preliminary Specifications for Fuel Pump Endurance Bench	n.a.	Not dated	U
FPS-C-38	Preliminary Specifications for Fuel Heating System	n.a.	Not dated	U
FPS-C-39	Preliminary Specification for High Temperature Test Chamber	n.a.	4/29/58	U
FPS-C-40	Preliminary Specifications for a Vacuum Supply System	n.a.	Not dated	U
FPS-C-40 (Rev. A)	Specification for Vacuum Supply System	n.a.	4/3/57	U
FPS-C-41	Preliminary Specifications for a Variable Area Exhaust Nozzle Simulator	n.a.	Not dated	U
FPS-C-42	Preliminary Specifications for Small Pneumatic Test Bench	n.a.	Not dated	U
FPS-C-42 (Rev. A)	Specifications for Small Pneumatic Test Bench	n.a.	4/3/57	U
FPS-C-43	Preliminary Specifications for Fuel Manifold Flow Bench	n.a.	Not dated	U
FPS-C-43 (Rev. A)	Specification for Fuel Manifold Test Bench	n.a.	4/3/57	U
FPS-C-48	Preliminary Specification for the Liquid Metal Turbo-Pump Control System	n.a.	Not dated	U
FPS-C-48-A	Specifications for the Liquid Metal Turbo-Pump Control System	n.a.	Not dated	U
FPS-C-59	Preliminary Specifications for the Helium System of the Liquid Metal Pumps	n.a.	Not dated	CRD
FPS-C-62	Preliminary Specification for the Radiator Valve Control	n.a.	Not dated	CRD

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FPS-C-72	Engine Test Laboratory Data Handling System	n.a.	6/6/57	U
FPS-C-74	Specification for High Temperature Sense Bath	n.a.	Not dated	U
FPS-C-75	Specification for Low Temperature Sense Bath	n.a.	Not dated	U
FPS-C-76	Specification for Small Variable Speed Electric Drive	n.a.	Not dated	U
FPS-C-79	Specification for the Coolant Turbo-Pump Control System	n.a.	Not dated	U
FPS-C-80	Specification for the Reactor Turbo-Pump Control System	n.a.	Not dated	U
FPS-C-88	Preliminary Specifications for the Helium Turbo-Blower Control System	n.a.	6/11/57	U
FPS-C-90	Preliminary Specification for the Alkylbenzene Turbo-Pump Control System	n.a.	Not dated	CRD
FPS-C-110	Specification for Low Pressure Pneumatic Test Bench	Hilley, M.	5/27/58	U
FPS-C-110 (Rev. A)	Specification for Low Pressure Pneumatic Test Bench	Kunkle, C.	1/28/58	U
FPS-C-116	Turbo-pump Control Bench Specifications	Kunkle, C. Schark, S.	1/28/58	U
FPS-C-116 (Rev. A)	Modifications to FPS-C-116	Hilley, M.	4/9/58	U
FPS-C-128	High Temperature Sense Bath	Kunkle, C.	1/28/58	U
FPS-C-137	Specification for a Pneumatic Temperature Sensor	Hilley, M.	4/29/58	U
FPS-C-139	Specification for Spray Type Cleaning Booth	Hilley, M.	4/29/58	U
FPS-C-224	Specification for Differential Expansion Type Pneumatic Temperature Probe	Hilley, M.	8/18/59	U

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FPS-I-459	Low Background Automatic Counting System	Harrison, R.	12/19/63	U
FPS-I-460 (Rev. 1)	Technical Provisions for Proportional Counter	Stern, J. Vavrina, J.	12/19/63	U
FPS-I-461 (Rev. 1)	Technical Provisions for Scintillation Counter	Stern, J.	12/19/63	U
FPS-I-475	Technical Provisions for Electron Microanalyzer for Analytical Operations Group	Campbell, N.	1/28/64	U
FPS-I-480	Neutron Counting System	Harrison, R.	2/7/65	U
FPS-I-481	Air Particulate Radioactivity Monitor	Harrison, R.	2/12/64	U
FPS-I-481a	Effluent Air Radioactivity Monitor	Harrison, R.	5/27/64	U
FPS-I-482	High Temperature Fission Counter	Harrison, R.	3/20/64	U
FPS-I-483	High Temperature Ion Chamber	Harrison, R.	3/20/64	U
FPS-I-491	Gas Chromatograph for the Analysis of Trace Contaminants in Inert Gas Systems	Robertson, D.	4/8/64	U
FPS-I-495	Laser System	Brown, R.	4/22/64	U
FPS-I-499	Furnace Control System	Brown, R.	4/23/64	U
FPS-I-519	Autocount Printing Timer System	Harrison, R.	11/25/64	U
FPS-I-541	Technical Provisions for Irradiation Testing Program of High Vacuum Gauges	Campbell, N.	3/10/65	U
FPS-I-542	Technical Provisions for Irradiation Testing Program of Residual Gas Analyzers	Campbell, N.	2/22/65	U
FPS-I-545	Technical Provision for Vacuum Calibration Range Extension System	Metcalfe, R.	3/3/65	U

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MPR-61-5-1	Reactor Program Monthly Technical and Financial Report for May, 1961	n.a.	6/16/61	CRD
MPR-61-6-1	Reactor Program - Monthly Technical and Financial Report for June, 1961	n.a.	7/25/61	CRD
MPR-61-6-2	Advanced Materials Program - Monthly Technical and Fi- nancial Report for June, 1961	n.a.	7/26/61	SRD
MPR-61-7-1F	Reactor Program Monthly Financial Report for July, 1961	n.a.	8/18/61	CRD
MPR-61-7-1T	Reactor Program Monthly Technical Report for July, 1961	n.a.	8/18/61	CRD
MPR-61-7-2F	Advanced Materials Program Monthly Financial Report for July, 1961	n.a.	8/18/61	CRD
MPR-61-7-2T	Advanced Materials Program Monthly Technical Report for July, 1961	n.a.	8/18/61	SRD
MPR-61-8-1F	Reactor Program Monthly Financial Report for August, 1961	n.a.	9/20/61	CRD
MPR-61-8-1T	Reactor Program Monthly Technical Report for August, 1961	n.a.	9/19/61	CRD
MPR-61-8-2F	Advanced Materials Program Monthly Financial Report for August, 1961	n.a.	9/20/61	CRD
MPR-61-8-2T	Advanced Materials Program Monthly Technical Report for August, 1961	n.a.	9/15/61	SRD
MPR-61-9-1	Reactor Program - Monthly Technical Report and Financial Report for September, 1961	n.a.	10/23/61	CRD
MPR-61-9-2	Advanced Materials Program and Financial Report for September, 1961	n.a.	10/23/61	SRD

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MPR-61-10-1	Reactor Program Monthly Technical Report and Financial Report for October, 1961	n.a.	11/17/61	CRD
MPR-61-10-2	Advanced Materials Program and Financial Report for October, 1961	n.a.	11/17/61	SRD
MPR-61-11-1	Reactor Program Monthly Technical Report and Financial Report for November, 1961	n.a.	12/20/61	CRD
MPR-61-11-2	Advanced Materials Program and Financial Report for November, 1961	n.a.	12/20/61	SRD
MPR-61-12-1	Reactor Program Monthly Technical Report and Financial Report for December, 1961	n.a.	1/24/62	CRD
MPR-61-12-2	Advanced Materials Program and Financial Report for December, 1961	n.a.	1/24/62	SRD
MPR-62-1-1	Reactor Program Monthly Technical Report and Financial Report for January, 1962	n.a.	2/23/62	CRD
MPR-62-1-2	Advanced Materials Program and Financial Report for January, 1962	n.a.	2/23/62	SRD
MPR-62-2-1	Reactor Program Monthly Technical Report and Financial Report for February, 1962	n.a.	3/23/62	CRD
MPR-62-3-1	Reactor Program Monthly Technical Report and Financial Report for March, 1962	n.a.	4/23/62	CRD
MPR-62-4-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program. Technical and Financial Report Month of April, 1962	n.a.	5/24/62	CRD

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MPR-62-5-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program. Technical and Financial Report - Month of May, 1962	n.a.	6/26/62	CRD
MPR-62-6-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program - Technical and Financial Report Month of June, 1962	n.a.	7/31/62	CRD
MPR-62-7-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program - Technical and Financial Report Month of July, 1962	n.a.	9/11/62	CRD
MPR-62-8-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report for Month of August, 1962	n.a.	9/28/62	CRD
MPR-62-9-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report for Month of September, 1962	n.a.	10/26/62	CRD
MPR-62-10-1	Lithium Cooled Reactor Experiment for SNAP-50-DR-1 Program Technical and Financial Report for Month of October, 1962	n.a.	11/26/62	CRD
MPR-62-11-1	Lithium Cooled Reactor Experiment for SNAP-50-DR-1 Program Technical and Financial Report for Month of November, 1962	n.a.	12/31/62	CRD
MPR-62-12-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report for Month of December, 1962	n.a.	2/5/63	CRD

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MPR-63-1-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report Month of January, 1963	n.a.	3/15/63	CRD
MPR-63-2-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report - Month of February, 1963	n.a.	3/29/63	CRD
MPR-63-3-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report - Month of March, 1963	n.a.	5/3/63	CRD
MPR-63-4-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report for Month of April, 1963	n.a.	6/19/63	CRD
MPR-63-5-1	Lithium Cooled Reactor Experiment and SNAP-50-DR-1 Program Technical and Financial Report for Month of May, 1963	n.a.	7/12/63	CRD
MPR-63-6-1	Lithium Cooled Reactor Experiment and SNAP-50/SPUR Program Technical and Financial Report for Month of June, 1963	n.a.	7/31/63	CRD
MPR-63-7-1	Lithium Cooled Reactor Experiment and SNAP-50/SPUR Program Technical and Financial Report for Month of July, 1963	n.a.	8/27/63	CRD
MPR-63-8-1	Lithium Cooled Reactor Experiment and SNAP-50/SPUR Program Technical and Financial Report for Month of August, 1963	n.a.	9/27/63	CRD
MPR-63-9-1	Lithium Cooled Reactor Experiment and SNAP-50/SPUR Program Technical and Financial Report for Month of September, 1963	n.a.	11/6/63	CRD
MPR-63-10-1	Lithium Cooled Reactor Experiment and SNAP-50/SPUR Program Technical and Financial Report for Month of October, 1963	n.a.	12/11/63	CRD

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MPR-63-11	SNAP-50/SPUR Program and LCRE Continuing Development Program - Technical and Financial Report for Month of November, 1963	n.a.	12/31/63	CRD
MPR-63-12	SNAP-50/SPUR Program Technical and Financial Report - Month of December, 1963	n.a.	1/31/64	CRD
MPR-64-1	SNAP-50/SPUR Program Technical Report - Month of January, 1964	n.a.	2/20/64	CRD
MPR-64-1-2	SNAP-50/SPUR Reactor Program - Monthly Financial Report for January, 1964	n.a.	2/28/64	U
MPR-64-2-1	SNAP-50/SPUR Program - Technical Report - Month of February, 1964	n.a.	3/20/64	CRD
MPR-64-2-2	SNAP-50/SPUR Reactor Program Monthly Financial Report for February, 1964	n.a.	3/31/64	U
MPR-64-3-1	SNAP-50/SPUR Program Technical Report - Month of March, 1964	n.a.	4/20/64	CRD
MPR-64-3-2	SNAP-50/SPUR Reactor Program Monthly Financial Report for March, 1964	n.a.	4/15/64	U
MPR-64-4-1	SNAP-50/SPUR Program Technical Report - Month of April, 1964	n.a.	5/19/64	CRD
MPR-64-5-1	Technical Progress Report Reactor Program - May, 1964	n.a.	6/24/64	CRD
MPR-64-6-1	SNAP-50/SPUR Program Technical Report - Month of June, 1964	n.a.	7/16/64	CRD
MPR-64-7-1	SNAP-50/SPUR Program Technical Report - Month of July, 1964	n.a.	8/19/64	CRD
MPR-64-8-1	SNAP-50/SPUR Program Technical Report - Month of August, 1964	n.a.	9/11/64	CRD
MPR-64-9-1	SNAP-50/SPUR Program Technical Report - Month of September, 1964	n.a.	10/16/64	CRD
MPR-64-10-1	SNAP-50/SPUR Program Technical Report - Month of October, 1964	n.a.	11/18/64	CRD

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MPR-64-11-1	SNAP-50/SPUR Program Technical Report - Month of November, 1964	n.a.	12/17/64	CRD
MPR-64-12-1	SNAP-50/SPUR Program Technical Report - Month of December, 1964	n.a.	1/20/65	CRD
MPR-65-1-1	SNAP-50/SPUR Program Technical Report - Month of January, 1965	n.a.	2/19/65	CRD
MPR-65-2	SNAP-50/SPUR Program Technical Report - Month of February, 1965	n.a.	3/18/65	CRD
MPR-65-3	SNAP-50/SPUR Program Technical Report - Month of March, 1965	n.a.	4/22/65	CRD
MPR-65-4	SNAP-50/SPUR Program Technical Report - Month of April, 1965	n.a.	5/20/65	CRD
MPR-65-5	SNAP-50/SPUR Program Technical Report - Month of May, 1965	n.a.	6/17/65	CRD
MPR-65-6	SNAP-50/SPUR Program Technical Report - Month of June, 1965	n.a.	7/19/65	CRD

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NSPM-1	Optimum Relations of Mass, Time, Velocity, and Power for a Space Vehicle Subject to Simple Linear Accelerated Motion	Kvick, P.	10/20/58	U
NSPM-2	Thermodynamic Properties of Potassium	Kardys, C.	12/15/58	U
NSPM-3	A Nuclear Electric Ion Propulsion System for an Interplanetary Vehicle	Kardys, C. Walton, J. Woods, T.	1/15/59	SRD
NSPM-4	Thermodynamic Properties of Cesium	Skaritka, J.	5/18/59	U
NSPM-5	Heat Transfer and Pressure Drop in Space Radiators	Kardys, C.	6/3/60	U
NSPM-7	Design Procedure for Boiling Liquid Metal with Forced Circulation in Coils	Kardys, C.	10/12/60	U
TEP-19	CANEL Recommendations for Machining the Refractory Ceramic Metal, Beryllium Oxide (BeO) or Beryllia	Goodin, L.	12/21/60	CRD