

CHRONOLOGICAL
ANNOTATED BIBLIOGRAPHY OF INFORMATION ON THE
HAINES-FAIRBANKS PIPELINE

Researched by the
Champagne and Aishihik First Nations

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1. E.R. Ruff, April 10th, 1989. Closure Requirements of the Haines Landfill, Memorandum. The unpermitted landfill at Haines contained largely household waste however some hazardous waste may exist. This document reviews the requirements for investigation.
2. Federal Environmental Assessment Review Office, 1987. Proposal for the Abandonment and Removal of a Multi-Product Pipeline Between Haines, Alaska and Fairbanks, Alaska, E.A.R.P. Screening. An environmental review of the impact of removing the Haines-Fairbanks Pipeline and the treatment of sections of the pipeline to remain. Several documents.
3. URS Corporation, January 1987. Defense Environmental Restoration Account: Inventory Report for Haines to Fairbanks Pipeline, Report. Limited investigation of the US pipeline and the considerations for removal and restoration are provided.
4. J.M. Nielson, 1987. Armed Forces on a Northern Frontier: the Military in Alaska's History 1867-1987, Textbook.
5. 172D Infantry Brigade, Alaska, January 15th, 1982. Description of Alaskan Military Petroleum Facilities, Pamphlet 360-1. One in a series of reports which provides organizational and technical information relating to the Haines-Fairbanks Pipeline.
6. No Author, update. Background Paper on Haines-Fairbanks (Yukon) Fuel-Oil Pipeline. A discussion paper on the closure of the Pipeline including a description of US Agency and Canadian Agency concerns and a map of the right-of-way. Document was provided by K. Bissett under contract to DIAND.
7. J.R. Sharpe, July 12th, 1978. The United States Transboundary Relations Division External Affairs Canada to Policy and Planning Division B.C. Government The Intentions of Canada for the Haines-Fairbanks Pipeline Right-of-Way, Letter. Request for a meeting with Canada to discuss the future of the pipeline and the possible termination of the Agreement.
8. J.R. Sharpe, April 6th, 1978. Department of External Affairs Canada to Policy and Planning, B.C. Government Re: Closure of the Haines-Fairbanks Pipeline, Letter.

9. **W.C. Fry, March 10th, 1978. Policy and Planning, B.C. Government to the Department of External Affairs, Canada Re: Closure of the Haines-Fairbanks Pipeline, Letter.**
10. **J.R. Share, December 15th, 1977. Department of External Affairs Canada to Policy and Planning, B.C. Government Concerning the Haines-Fairbanks Pipeline Right-of-Way in British Columbia, Letter.**
11. **W.C. Fry, November 20th, 1977. Policy and Planning, B.C. Government to External Affairs, Canada Re: Closure of the Haines-Fairbanks Pipeline, Letter.**
12. **B.H. Whittle, November 2nd, 1977. National Energy Board of Canada to the Department of External Affairs Regarding Pressure to Release the Haines-Fairbanks Pipeline Right-of-Way, Letter.**
13. **B.H. Whittle, November 2nd, 1977. National Energy Board of Canada to Province of British Columbia Ministry of the Environment Re: Control of the Right-of-Way Easement, Letter.**
14. **W.C. Fry, October 1977. Policy and Planning, B.C. Government to National Energy Board Referring to Control of the Pipeline Right-of-Way, Letter [poor quality].**
15. **D.E. Garfield, et al, February 1977. Haines-Fairbanks Pipeline Design Construction and Operation, Special Report 77-4 of the U.S. Cold Regions Research and Engineer Laboratory. A Review of the design construction testing operation and maintenance of the Haines-Fairbanks Pipeline including modifications to the 8" pipeline and results of corrosion survey done in 1970.**
16. **W. Koropatnick, January 24th, 1977. Re: Transfer of the Administration and Control of the Haines Pipeline Right-of-Way, Letter.**
17. **W. Koropatnick, November 19th, 1976. Public Works Canada to Policy Division, B.C. Government Re: Transfer and Administration of the Haines Pipeline Right-of-Way, Letter.**
18. **W.C. Fry, November 12, 1976. Policy Division B.C. Government to Public Works Canada Re: Transferring Administration Control The Haines Pipeline Right-of-Way, Letter.**
19. **F.A. McLean, March 17th, 1976. Arrangements for a Briefing Session on the Haines-Fairbanks Pipeline in British Columbia, Memorandum.**

20. **F.J. Deneke, et al, December 1975. Biological Aspects of Terrestrial Oil Spill**, Research Report, 346 of U.S. Cold Regions Research and Engineering Laboratory. An investigation of the biological effects of oil pollution on arctic and subarctic terrestrial ecosystems through a review of the spills which occurred along the Haines-Fairbanks Pipeline and their impact on vegetation.
21. **Unknown, 1974. History of the Alaska District United States Army Corps of Engineers**, Textbook.
22. **K.W. Workman, July 1972. Informal Assessment of Cultural Values on the Route of the Haines-Fairbanks Pipeline**, Summary Report. An 11 page summary of potential historic sites in the Alaska and Yukon along the route of the Haines-Fairbanks Pipeline with poor knowledge in the Yukon.
23. **Environmental - Social Committee, August 28, 1972. Task Force on Northern Oil Development, Report on Research Under the Environmental - Social Program Northern Pipelines**, Report No. 72-1. The report includes a summary of the knowledge of the Department of Energy, Mines and Resources on the technical aspects of northern pipeline constructions, the Department of the Environment on the impact of the northern pipeline on fish, water and animals, Department of Indian Affairs and Northern Development sharing information on archaeological sites, land spills and storage and retrieval systems and the Government of Northwest Territories with a development plan.
24. **W.E. Rickard, F, Deneke, April 1972. Preliminary Investigations of Petroleum Spillage, Haines-Fairbanks Military Pipeline, Alaska**, U.S. Cold Regions Research and Engineering Laboratory, Special Report 170. A review of the Haines-Fairbanks Pipeline spills including the problems with start-up and the necessity of cutting the line and purging the fuel. The report provides a list of fuels transported by the multi-products line including the chemical nature of the inhibitors in the fuel.
25. **W. Rutherford, January 31st, 1972. National Energy Board to Embassy of United States of America**, Letter. This letter provides a summary of terms of the agreement to transfer the Haines-Fairbanks Pipeline to Government of Canada.
26. **U.S Army in Alaska, March 15th, 1971. Environmental Pollution Abatement**, Memorandum. This policy paper of the United States Army provides a reaction plan to environmental pollution including responsibility and procedure. The scope of the plan includes petroleum pollution.
27. **D. Ablett, 1971. Pipeline Break Fouls Yukon Lake**, Sun Washington Bureau Newspaper Report. This article documents 160,000 gallons of diesel fuel spilled into Dezadeash Lake and the use of herbicides along the Haines-Fairbanks Pipeline right-of-way.

28. **Back and Bevingtons Limited, June 9th, 1970. Okanagan Helicopters Limited Insurance Policy for Comprehensive Chemical Legal Liability to Third Parties.** This policy is issued to U.S. Army Petroleum Division's office and provides \$5 million third party bodily injury including passengers and property damage liability insurance between the dates of June 10th, 1970 and March 5th, 1971.
29. **W.J. DuBroy, May 4th, 1970. Special Divisions Group, Canada Commercial Corporation to U.S. Army Re: Helicopter Aerial Spray Contract,** Letter. Confirmation that the contract will begin June 20th, 1970 and be completed on or before July 20th, 1970.
30. **W. George, February 27th, 1970. Salvage of Pipe - Dezadeash Lake Area, Contract DACA85-70-C-0018,** Memorandum. The U.S. Army indicated that there would be no additional repairs or reconditioning of Haines-Fairbanks Pipeline in the event of a major break, the pipeline will cease to operate. They also indicate that the salvage pipe will not be suitable for pipeline use according to D.O.T. regulations. Major break is defined as something of the magnitude of the Dezadeash Lake spill. It also identifies the reduction in the operating pressure along the Haines-Fairbanks Pipeline in order to prevent future pipeline failures. It also recommends the buried sections of the existing pipe be left in the ground provided it does not cause electrolysis with the new pipe through the Dezadeash area. The old pipe was purged with alcohol however, the volume of alcohol used to purge was reduced from 15,000 to 10,000 gallons as a cost saving measure.
31. **A.K. Swanson, January 5th, 1970. Repair of Haines-Fairbanks Pipeline,** Letter. This is a request for information on the status of the design. Total design costs were not to exceed \$155,000.
32. **W. George, January 5th, 1970. Repair to Haines-Fairbanks Pipeline (PR 29-69),** Memorandum. This document reviews the cost of replacing the Haines-Fairbanks Pipeline. Concern is expressed over the new Department of Transportation regulations which require the pipe be buried where it is accessible to the public and that if corrosion exceeds 10%, the pipe will be replaced. This would go beyond the current plans of the U.S. Army and they are considering having the D.O.T. regulations waived.
33. **A.K. Swanson, November 6th, 1969. Repair Portion of Haines-Fairbanks Pipeline (PR 29-69),** Memorandum. Estimate for replacement of the Haines-Fairbanks Pipeline within Canada excluding the 12 mile section at Dezadeash Lake range from \$7 million to approximately \$14 million U.S.

34. **D.L. Davenport, October 13th, 1969. Contract Number DAFA03-69-C-0079, Helicopter Aerial Spray**, Letter. Fifteen drums of Tordon 101 from Dow Chemicals were damaged, three drums were empty, 1 had a split bottom and was 90% empty and 11 were leaking at the drums seams upon arrival at the Beaver Creek Station.
35. **I.G. White, October 7th, 1969. Dow Chemicals District Office to U.S. Army Contracting Division**, Letter. Letter documents the damage to 15 drums of Tordon 101 which arrived at Beaver Creek for a contract to spray herbicides. The herbicides are to be replaced for spraying in the next year.
36. **D. Hendrickson, October 6th, 1969. Pumping Unit for Applying Hydrostatic Test Pressures to 8" Multi-Product High Pressure Pipelines DACA85-70-B-0001**, Memorandum.
37. **S.A. Andersen, September 29th, 1969. Repair Haines to Fairbanks Pipeline**, Memorandum. Meetings were held with Canada to discuss maintenance and repairs procedures for the pipeline. API Grade A seamless pipe was to be used in all replacements. Extensive pipe testing was to occur.
38. **N.O. Johnston, September 5th, 1969. Contract DAFA 03-69-C0079, Right-of-Way Brush Control, Haines-Fairbanks Pipeline**, Memorandum. During delivery of herbicides fifteen 30 gallon barrels were damaged. These damages barrels are stored at Beaver Creek Pump Station. The herbicide used was Tordon 101.
39. **W. George, August 28, 1969. Recondition, Maintain, Replace Pipe, Haines to Fairbanks Pipeline, Alaska DACA85-70-B-0001**, Memorandum. A discussion of the testing pressures for the pipeline and the requirements of the applicable code for pressure piping liquid petroleum transportation piping systems. (USASI B-31.4 - 1966).
40. **R.W. Towne, August 22, 1969. Trip Report for August 11-13 to Canada to Discuss Maintenance and Repair Procedures on the Canadian Portion of the Line**, Memorandum. Information is to be directed to National Energy Board of Canada and to U.S.D.A.O. Ottawa.
41. **H. Hicks, July 29, 1969. Report of Field Investigations MP 109 to MP 126 Haines-Fairbanks Multi-Products Pipeline**, Memorandum. This document provides a daily account of consultation with YTG as well as the specifics of a field investigation to determine the conditions at Dezadeash Lake prior to the pipeline replacement. He has noted the relocation of the highway at Klukshu River Crossing. He has made an effort to determine whether a casing was installed at the undercrossing of the pipeline. The general contractor indicated no casing was installed. They

were also looking for clear water for purging the old line and testing the new and they determined that Klukshu River was acceptable for this purpose. In the vicinity of milepost 119, the ground was saturated with diesel fuel.

42. **U.S. Army Purchasing and Contracting Office, July 9, 1969. Amendment to Contract DAFA 03-69-C0079 for Spraying, Brush Control Pipeline Milepost 42.5 Through 337.5**, Contract. This document deals with the extension of the contract. Spraying shall begin June 20, 1970 and be completed by July 20, 1970.
43. **N. Johnston, July 1969.** Handwritten note referring to request for Mr. Hubbard, Okanagan Helicopters Spray Limited to receive an extension.
44. **A.W. Hubbard, June 27, 1969. Helicopter Aerial Spray**, Letter. A proposal for extension of the contract for spraying from 1969 to 1970. It includes reasons for not being able to complete the spray program in 1969 and a summary of the distribution of chemicals and their relocation back to Whitehorse.
45. **A.W. Hubbard, June 20, 1969. Helicopter Aerial Spraying Contract DAFA 03-69-C0079**. Spraying will be done by spray machine probably Hiller 12F's.
46. **US Army Engineers**, Handwritten Notes. List of four companies which bid on the aerial spray contract. Okanagan Helicopters is listed as the lowest bid. Also a handwritten note with possible spraying specifications.
47. **E.L. Hardin, June 25, 1969. U.S. Army Corps of Engineers to Department of Engineering, YTG**, Letter. Informing the Canadians that they are looking for contractor bids for the replacement of the 12 mile section at Dezadeash.
48. **U.S. Army, June 16, 1969**, Handwritten Notes. Describes proposed visit to Haines Junction to see helicopter aerial spray contractor. It indicates Tordon 101 to be delivered by June 12 and stored at Beaver Creek, Donjek, Destruction and Blanchard.
49. **G.B. Russell, June 4, 1969. Department of National Revenue to the Corps of Engineers**, Letter. The letter deals with the exemption for materials passing over the border for the pipeline purposes. The exemption is being phased out. It also lists the people who are able to authorize to sign for exemption certificates.
50. **US Army, May 19, 1969. Emergency Repairs to the Haines-Fairbanks Pipeline**, Memorandum. Request for funds to replace the 12 mile section at Dezadeash Lake, estimates of \$1.2 million are given for an approximate of the cost for the project.

51. **W.C. Williams, May 19, 1969. Designation of Contracting Officers Representatives**, Memorandum. Instructions to Mr. N. Johnston for contract number D.A.F.A. 03-69-C0079.
52. **J.T. Poffenberger, May 8, 1969. Analysis of Alternative Methods of Providing Military Fuels to the Fairbanks Area**, Memorandum. Cost estimates include \$25.74 million to use the Haines-Fairbanks Pipeline until 1973 with minimal repair and \$96 million for major repairs to the Haines-Fairbanks Pipeline.
53. **Petroleum Distribution Officer, U.S. Army, May 6, 1969. Contract for Aerial Spraying of the Haines-Fairbanks Pipeline**.
54. **D.R. Beardshaw, May 1, 1969. R.S.P.D.A. S.A. 03-69-R-0030 and Amends 1 and 2, Helicopter Aerial Spray**, Contract. This document describes the Canadian Commercial Corporation taking on the helicopter aerial spray contract and subcontracting it to Okanagan Helicopters and Dominion Helicopters, King City, Ontario.
55. **US Army Petroleum Distribution Office, April 10, 1969. Emergency Operation Procedures for Linebreak Repair and Pollution Control**. The Department of Fish and Game, Whitehorse, is to be informed if spillage or pollution are involved.
56. **US Army Corps of Engineers, April 8, 1969. Planned Construction for 1970**, Memorandum. Document does not specify what the construction project is. It lists the Canadian agencies which were contacted in 1960-61 when additional pumping stations were added to the Haines-Fairbanks Pipeline.
57. **W. George, April 8, 1969. US Army in Alaska Estimated Cost of Material, Labour and Equipment for Canadian Portion of Haines-Fairbanks POL Pipeline**. The value of the main pipeline materials is estimated at \$3.9 million and the value of the pumping station materials and equipment is estimated at \$1.16 million.
58. **R.J. Anderson, March 25, 1969. Federal Committee on Pest Control to U.S. Army Military Construction**, Letter. The Federal Committee on Pest Control has approved the spraying of Tordon 101 with norback thickener in view of the unsatisfactory results from earlier 2,4D and 2,4,5T spraying of the right-of-way. The spraying was to be limited to 100 feet from streams, lakes or other waterbodies and not to be conducted with greater than 5 mile per hour winds.
59. **USARAL, March 14, 1969. Procurement for Helicopter Spraying**, Contract DAFA03-69-R-0030. Contract with Okanagan Helicopters in the amount of \$69,706.53.

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60. **J.P. Muse, February 28, 1969. Haines-Fairbanks Pipeline Brush Control, Milepost 32.5 - 337.5, Memorandum.** Bids are to be advertised for Canadian contractors only and the materials are to be purchased in Canada.
61. **A.K. Swanson, February 5, 1969. Use of Non-Standard Herbicides Within Canada, Memorandum.** The US Army in Alaska proposes to spray the Canadian portion of the Haines-Fairbanks Pipeline right-of-way with a non-standard herbicide formulation for brush control. Approval has been received from the Canadian Department of Agriculture Plant Products Division.
62. **N. Johnston, January 16, 1969. Pipeline Spraying, Haines-Fairbanks Pipeline, PR 20-69, Memorandum.** Approval was given by Mr. Stevenson of the Pesticide Unit, Agriculture Canada for the spraying of Tordon 101.
63. **W.R. Hourston, December 20, 1968. Department of Fisheries to US Army, Alaska, Re: Aerial Herbicide Application, Letter.** The letter indicates the 500 ft. buffer around streams and rivers is unnecessary. 100 ft. would be satisfactory also, excess spray materials should be disposed of through burial in plastic containers.
64. **J.B. Fitzgerald, December 18, 1968. Game Branch, YTG to US Army in Alaska, Acknowledgement of request to spray herbicides along the Haines-Fairbanks Pipeline right-of-way. A response to be provided at a future date.**
65. **Headquarters, Petroleum Distribution Office, December 1, 1968. General Description of Facilities, Pamphlet 360-1.** One in a series of information pamphlets.
66. **A.K. Swanson, November 27, 1968. Haines-Fairbanks Pipeline Brush Control, Project PR 20-69, Memorandum.** Recording amendments to the contract for the aerial spraying of herbicides. Contract value is \$110,900.00.
67. **R. Rugani, November 5, 1968. US Army to Department of Fish and Game, Whitehorse Re: Herbicide Spraying Plans and Technical Specifications, Letter.** The Army request that Canada review the strip maps and mark any areas of particular concern.
68. **N. Johnston, November 1, 1968. Haines-Fairbanks Brush Control Pipeline Milepost 42.5 through 337.5, PR 20-69, Memorandum.** Beginning of procedure to obtain permission for aerial spraying of Tordon 101.

69. **R. Rugani, October 29th, 1968. Haines-Fairbanks Pipeline Brush Control, MP 42.5 0 337.5, Canadian Portion**, Requisition Form.
70. **J. Smith, September 10, 1968. Break In US Army Pipeline, Sessional Paper #3-1968, 4th Session.** A daily account of the US Army and the Yukon Government's response to the Dezadeash spill. Between 600 and 800 fish were killed in the spill. The US Army covered YTG's costs for the clean-up in the amount of \$6,500.00.
71. **W. George, August 23, 1968. Corrosion Studies Report, Dezadeash Lake, Haines-Fairbanks, POL**. A report from the U.S. Army outlining the investigation procedures and inspection results as well as recommendations for clean-up. Photographs of the general line condition are included. Photos show the migration of the pipe through heating and cooling also the scraping of the varnish from the pipe as it was transported from England. These two features are credited with causing in excessive amount of corrosion in the Dezadeash area.
72. **E.L. Harden, August 1, 1968. Recommended Condition Survey of the Haines-Fairbanks POL Pipeline**, Memorandum. A recommendation to inspect the condition of the Canadian section of the Haines-Fairbanks pipeline using Tuboscope technology.
73. **J.B. Fitzgerald, June 14, 1968. Game Branch to US Army Re: Use of Herbicides**, Letter. Permission is granted to use Fenuron or 2,4D along the Haines-Fairbanks Pipeline. Preference is given for the use of 2,4D.
74. **Whitehorse Star, May 23, 1968. Pipeline Leak Pours Oil into Lake**, Newspaper Article. A description of the Dezadeash Lake spill.
75. **J.B. Fitzgerald, May 22, 1968. Pollution of Dezadeash Lake from U.S. Army Pipeline**, Memorandum. A summary from the Director of Game relating to the leak at Mile 129 on the Haines Road. The conditions at the spill site and the people who were informed are noted in this summary.
76. **U.S. Army in Alaska, undated. Technical Provisions of Specifications for Haines-Fairbanks POL Pipeline Right-of-Way Brush Control; Pipeline Milepost 42.5 through 337.5, Project Number 20-69**. This paper provides the specifications for the spraying of Tordon 101 along the Canadian section of the Haines-Fairbanks Pipeline. The paper includes a description of the area to be sprayed as well as the description of the chemicals to be sprayed and their application method. A strip map of the pipeline route including set backs around rivers is included.

77. **D.R. Hourston, May 10, 1968. Re: Brush Control - Haines to Fairbanks Pipeline**, Memorandum. This memo is from the Department of Fisheries in Vancouver to the Department of Fisheries in Whitehorse responding to a request for the use of Fenuron and Tordon instead of 2,4D, 2,4,5T for brush control along the Haines-Fairbanks right-of-way. Approval is given for the use of Fenuron and Tordon 101 provided set backs around fish bearing waters are maintained.
78. **J.B. Fitzgerald, May 6, 1968. Director of Game to US Army in Alaska Re: Use of Herbicides**. Letter. This letter acknowledges the request for the use of Fenuron instead of Esteron on the Haines-Fairbanks right-of-way and pump stations.
79. **U.S. Army in Alaska, May 1968. Corrosion Studies - Dezadeash Lake, Haines-Fairbanks POL**, Report. This report is related to the August 23, 1968 report on the same subject. It includes the investigational procedures and the inspection results of the Dezadeash Lake spill.
80. **J.B. Fitzgerald, April 30, 1968. Haines-Fairbanks Pipeline**, Memorandum. CWS is investigating Fenuron.
81. **R.P. Rugani, April 9, 1968. U.S. Army, Alaska to Commissioner of the Yukon Re: Herbicide Spraying**, Letter. The Army is explaining that due to the Vietnam situation they are unable to use 2,4D, 2,4,5T Esteron brush killer on the Haines-Fairbanks Pipeline right-of-way and pump stations. They are asking permission to use Fenuron and Tordon 101 as a replacement. The chemical compositions of the proposed herbicides are given.
82. **H.T. Vergette, February 28, 1968. Lot 22, Group 803, Yukon Territory**, Memorandum. This letter confirms the status of Lot 22, Klukshu Reserve as a Lot reserved for the use of Indian Affairs Branch by letter dated January 19, 1955.
83. **E.J. Underwood, February 27, 1968**, Telegram. Please advise whether Klukshu River Indian Reserve was ever established by Order-in-Council.
84. **U.S. Army in Alaska, 1968. Section 1 - Pipeline, Haines-Alaska Through British Columbia, Canada through Yukon Territory, Canada To Fairbanks, Alaska**, Summary Report of Activities. Technical report by the U.S. Army providing information on the operating and maintenance conditions for the Haines-Fairbanks Pipeline. It includes a discussion on permafrost conditions, conditions for construction of the pipeline and the use of herbicides for maintenance of the pipeline. The report documents helicopter application of Tordon 101 commencing in the summer of 1968. It also indicates that the chemical Fenuron was applied in dry powder form in prior years but not satisfactory for all forms of vegetation. Also it notes liquid brush killer 2,4D, - 2,4,5D Esteron was experimented with.

85. **W.G. Warren, September 16, 1966. Report on Corrosion of Haines 8" Petroleum Pipeline from Milepost 2 + 2500 to Milepost 3 + 3900**, Memorandum. A review of the pipeline near Haines, Alaska shows the corrosion is excessive and the pipe will need replacement with a new plastic coated pipe.
86. **A.T. McDaniel, June 10, 1966. U.S. Army, Alaska to Director of Department of Game, Canada**. Letter. This letter advises that chemicals spray program will begin on June 6, 1966.
87. **G.R. Cameron, March 18, 1965. Commissioner of the Yukon to U.S. Army, Alaska**, Letter. This letter acknowledges the request for permission to use chemicals on the Haines-Fairbanks Pipeline and provides authority to use Esteron by hand generated spray nozzles.
88. **W.N. Mantz, February 24, 1965. U.S. Army, Alaska to Department of Game, Canada**, Letter. Permission is requested to use Esteron along the Haines-Fairbanks Pipeline using hand methods in a 50' wide right-of-way, with a 500 ft set back from any stream or lake.
89. **U.S. Army Headquarters, August 10, 1962. Building Alaska with the U.S. Army**, pamphlet No. 355-5. A textbook providing a summary of the U.S. Army's involvement in Alaska including the Haines-Fairbanks Pipeline.
90. **U.S. Army, Alaska, undated. ALCANGO Haines, Alaska to Fairbanks, Alaska POL Pipeline**, Summary. A brief prepared by the U.S. Army on the conditions for construction of the Haines-Fairbanks Pipeline. They note that Canada used a German carrier to transport pipes from England to Canada.
91. **Embassy of the United States of America, April 19, 1962. Defense: Additional Pump Stations on the Haines-Fairbanks Pipeline**. Diplomatic Agreement - Partial Document.
92. **T.W. Laird, December 29, 1961. Defense Construction to U.S. Army District Engineer, Alaska**, Letter. The letter expresses the concern that in the Canadian portion of the line, Canadian contractors should obtain work. They are concerned that the use of standard U.S. specifications would be an instrumental barrier for Canadian manufacturers, if strictly enforced.
93. **F.H. Collins, December 14, 1961. Commissioner of the Yukon to U.S. Army Corps of Engineers**. Letter. Acknowledgement of receipt of the plans and specifications for the building of additional pump stations.

94. **G.W. Dundas, June 2, 1961. Modifications of the Haines-Fairbanks Pipeline.** Memorandum. Notes of a discussion on increasing the capacity of the line. The required capacity for the Haines-Fairbanks Pipeline is given as 32,000 barrels per day.
95. **International Treaty, August 20, 1959. Haines-Fairbanks Pipeline,** Treaty Series 1959 No. 21. One of several additions to the original agreement dealing with maintenance of the Haines Cut-off Road.
96. **U.S. Army, Alaska, September 30, 1957. Safety Location of Bum Pits, POL Terminal Storage, Fairbanks, FY 1959, MCA Program,** Memorandum.
97. **M.R. Rosan, September 9, 1957. Defining Limits of POL Hazardous Areas,** Memorandum.
98. **R. Kushman, July 3, 1957. Preliminary Corrosion Survey, Haines to Fairbanks, Pipeline,** Memorandum. Inspection of the Canadian section of the pipeline with a corrosion engineer from U.S. Army in Alaska. Pipeline at the bridge across the Donjek River was examined. A deficiency is noted in that the pipe has not been anchored to the bridge and that it moves about 3 ft. A similar crossing of the White River has also slipped but not to as great an extent.
99. **L.L. Haseman, February 12, 1957. Dorr-Oliver Hydrocarbon Rectifier Data as Applicable to the Alaskan Petroleum Pipeline System,** Memorandum. A conference was held to determine whether it was necessary to have a water or ice crystal removal system added to the pipeline. It was determined that it was not necessary.
100. **D.B. Slawson, January 15, 1957. Modification to Haines-Fairbanks POL Pipeline Winter Operations Conference,** Memorandum. A conference at which the possibility of burying the entire pipeline was considered as well as the addition of equipment to de-ice the product. Recommendation was made to eliminate the check valves from the line and replace some of them with hand operated valves. Canada's concern that the line be over-valved in order to protect the fish and wildlife in the drainage valleys was noted.
101. **W.R. Lightfoot, January 11, 1957. Dorr - Oliver Hydrocarbon Rectifier Data as Applicable to the Pipeline System,** Memorandum.
102. **Kreitlow, January 7, 1957.** Telegram. Description of the efforts at a pump station to remove ice crystals.

103. **L.L. Haseman, January 7, 1957. U.S. Army Corps of Engineers**, Memorandum. Consideration is given to the most economical machinery to use for the burying of approximately 450 miles of surface laid pipe. The pipeline right-of-way is described as being 30 to 40 feet wide.
104. **C.T.W. Hyslop, January 2, 1957. Superintendent of Lands, British Columbia to The U.S. Army Corps of Engineers**, Letter. Reference is made to Order-in-Council number 1071 of May 2, 1953 for the surveying of land for the pipeline right of way. This is an amendment to that Order-in-Council. Also, reference is made to a reservation in favour of the United States for a parcel of land for pumping station #2.
105. **E.L. Kenner, December 26, 1956. U.S. Quartermaster to Dorr-Oliver Incorporated**, Letter. This letter acknowledges receipt of a letter titled Dorr-Oliver Hydrocarbon Rectifier Data as applicable to the Alaska pipeline system.
106. **H. A. Price, December 21, 1956. Dorr-Oliver Hydrocarbon Rectifier Data as Applicable to the Alaska Pipeline System**, Letter. The company has determined that the ice crystals in the fuel may be related to small particles in the fuel and its removal of those particles that is essential for the deicing of the fuel. They recommend this as a method of processing fuels that have been seriously mishandled.
107. **P.D. Troxler, September 25, 1956. Testing of POL Valves as Specified in MCEB 55-54 and in Purchase Description Valves Plug Lubricated and Lift Plug Non-Lubricated Cast Iron and Steel, Dated 10 June, 1954**, Memorandum. Consideration has been given to relaxing the test requirements for plug valves and this is not recommended. They also note that valves tested with water will hold the normal test pressure but will leak under these normal test pressures when tested with solvent. Request to reduce the requirement for testing valves. The time to test the valves was not considered in the program in the construction schedule and having to do so now seriously affects the construction schedule.
108. **W. George, August 24, 1956. Chief Engineer to Thom Hill Graver Company**, Letter. The U.S. Engineers has been instructed to install jet type self-cleaning fluid strainers on military pipeline to service an ice system catcher and are requesting the complete installation and maintenance instructions.
109. **H.E. Fisher, July 19, 1956. Pipeline Technologies Inc. to U.S. Army Corps of Engineers**, Letter. The company has been requested to advise the U.S. Army on improving the efficiency of the pipeline. The Quartermasters Corps has been in charge of the project and have been unable to agree on a contract for hiring this company. The company predicts that free and absorbed water is still entering the

pipeline and that another plug is inevitable. The system requires upgrading and the operating procedures must be strictly followed.

110. **R. Thistlethwaite, July 19, 1956. Re: Plan 5 of the Haines-Fairbanks Pipeline, Cassiar District, B.C.**, Letter. The Canadian Department of Surveys to the B.C. Lands Office regarding exchange of plans.
111. **R. Thistlethwaite, June 29, 1956. Plans 3, 4, 5 of the Haines-Fairbanks Pipeline, Cassiar District, B.C.**
112. **W.W. King, June 11, 1956. Test Results JP-4 Residue, Haines-Fairbanks Pipeline**, Memorandum. The results of subject test and it is noted that the JP4 has a flash point of -10 to -30 degrees fahrenheit. The flash point of the oil residue was 170 F.
113. **H.E. Fisher, May 31, 1956. Pipeline Technologists Inc. to Quartermasters Corp.**, Letter. After a conference this company recognized that the Armed Forces are in drastic need of an experienced engineering talent in their Haines-Fairbanks Pipeline and this company is offering their services.
114. **C.Y. Farrell, May 25, 1956. Pipeline - Haines to Fairbanks.** Memorandum. A summary of problems arising after the takeover of the Haines-Fairbanks pipeline operation.
115. **W.W. King, May 24, 1956. Inspection of DLO Contaminated Areas Haines-Fairbanks Pipeline**, Memorandum. The pipeline was inspected from May 16th to 21st and this document provides a list of what was found during this inspection including a list of Canadian contacts who were informed. Highway milepost 1111 to 1151 were inspected. Five spill sites were identified including descriptions of the size and effect of the spill.
116. **L.L. Haseman, May 23, 1956. TOL Contamination, Haines-Fairbanks Pipeline**, Memorandum. Notes from a meeting of US Army Personnel to determine what happened causing contamination sites along the Haines-Fairbanks Pipeline. Item 2 lists that two of the contaminated lakes which were used for fur trapping were definitely caused by actions of a APPS personnel in their endeavours to deice the pipeline. The Canadian Government has indicated that the contamination was not of significant importance and did not constitute the serious hazard to wildlife or fire.
117. **R.B. Smith, May 23, 1956. Inspection of DOL Contaminated Areas in Yukon Territory**, Memorandum. Summary by the Fire Prevention Engineer, the U.S. Army as to the situation between Milepost 1111 and 1152 on the Alaska Highway. 37,200 gallons of fuel have been purged from the line then pumped into tankers and then burned in pits.

125. **C.Y. Farrel, March 19, 1956. U.S. Army District Engineer to Commissioner of Yukon**, Letter. The contractors have been instructed to locate the cuts as far from the highway, secondary roads, habitable areas, lakes and streams as possible.
126. **W.W. King, March 13, 1956. Cold Weather Foam Test for POL Above Ground Tanks**. Consideration is given to the fire safety required at the tank locations.
127. **W.W. King, March 7, 1956. Safety Survey Thawing Operations, Haines-Fairbanks Pipeline, 25th to 26th February 1956**, Memorandum. An inspection to determine the safest method of disposal of fuel from the deicing operation. A summary is provided on the attempts to burn the fuel to date.
128. **W.F. Collins, February 27, 1956. Commissioner of the Yukon to U.S. Army District Engineer**, Letter. A summary of the U.S. Army's efforts to date and a request that burning of the fuel spills, the spilling of fuel be discontinued.
129. **U.S. Army, February 18, 1956. Disposal of Fuel During Deicing Operations of the Haines-Fairbanks Pipeline**, Letter. The Commander is concerned that fuel is being purged from the line with no indication of further disposal action. The contractor is to be instructed to burn the fuel in pits provided by him.
130. **Norris Plank, October 15, 1955. Haines-Fairbanks Product Pipeline - Station Control Equipment**, Letter to U.S. Army Corps of Engineers. The writer makes a detailed study of the control systems used at the pumping stations at the Haines-Fairbanks pipeline and reports these controls to be unsafe and unsatisfactory.
131. **Anchorage Daily News - Pipeline Edition, October 11, 1955. Dedication Set Tomorrow for Big Military Pipeline**. The newspaper reporting on the dedication of the new military pipeline including advertisements for construction contractors.
132. **W.O. Hansen, September 7, 1955. Estimated Costs, Fire Protection Pumping Station 1, 2, 2A, 2B and 3, POL Line Haines to Fairbanks**. A summary of the costs of fire protection incorporated into the contract for the construction of the line from Haines to Fairbanks.
133. **Norris Plank, August 31, 1955. Haines-Fairbanks Products Pipeline - Operation**, Letter. An engineering consultant reviewed the construction and hydrostatic testing phase of the pipeline between August 15th and August 31st. The contractor expresses concern over the ability of the Quartermasters Corp. to take over the operation and maintenance of the pipeline. Four major items of faulty design were also noted.

134. **U.S. Army, July 15, 1955. Northwest Highways Systems to B.C. Lands and Forests**, Letter. Consideration of tenure to lot 6625 near mile 49 on the Haines Road.
135. **A.G. Barkow, July 12, 1955. Inspection of Line and Right-of-Way During Test**, Memorandum. The inspector notes poor clean-up conditions from the clearing of the right-of-way. Also, a lack of properly installed flumes and filling of drains particularly on mounted sites which caused wash and maintenance problems. The pipe rests on rocks in several locations. The pipe is suspended for spans up to 50'. There is a lack of slack in the line and the pipe is frequently located on the road side of the right-of-way causing people to have to cross the line to travel along the right-of-way.
136. **Norris Plank, July 6, 1955. Haines-Fairbanks Product Pipeline, Contractors Complaint**, Letter. This Engineering firm was witness to the beginning of the pumping of diesel fuel at Haines Junction. The engineering consultant warned that it was important to get a good clean interface between the water and the diesel oil which will be pumped in the future. He expresses great concern over the lack of knowledge of the operators and describes some of the efforts made and the problems during that effort including casual negligence and willful intent.
137. **Norris Plank, June 30, 1955. Haines-Fairbanks Product Pipeline - Testing and Operation**, Letter. Investigation of the hydrostatic testing program from June 16 to June 30th has been completed. It is progressing without any unusual events but some suggestions are provided. A few bad joints were detected in the first 200 miles of testing however a few bad joints of pipe in the Canadian section were expected.
138. **U.S. Army Corps of Engineers, May 1955. Products Pipeline Haines to Fairbanks, Alaska Operating Manual** Page 234 provides instruction for the use of brush and weed control. Chemical spraying of the revegetation is to be conducted. Selection of the proper herbicide and application method for spray control should be determined by consultation with one of the manufacturers. In general the chemicals selected should not be injurious to personnel, to the steel pipeline or to fish and wildlife in the Territory.
139. **R. Thistlewaite, May 24, 1955. Instructions for Survey of Haines-Fairbanks Pipeline**, Memorandum.
140. **R. Thistlewaite, May 24, 1955. Re: Your Letter of April 29, 1955.**, Letter. Instructions on the surveying post to be used.
141. **G.S. Andrews, March 17, 1955. Re: Survey Haines-Fairbanks Pipeline**

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142. **DIAND, March 2, 1955. To B.C. Department of Lands and Forests**, Letter. Update on the progress of the pipeline and the confirmation that some additional valves would be put in place to protect fisheries, no other alterations are contemplated.
143. **H.M. Jones, February 23, 1955. Proposed Reservation for Champagne Indians on Klukshu River, Yukon Territory**, Letter. From Director of Indian Affairs to Department of Northern Affairs and National Resources, Lands Branch.
144. **L. Fortier, February 21, 1955. Communication Arrangements for the Haines-Fairbanks Pipeline** Concerned over the effect a communications facility will have on the existing land parcels. The possibility of effecting a reserve at Klukshu is noted.
145. **F. Fraser, February 10, 1955. Proposed Reservation for Champagne Indians on the Klukshu River, Yukon Territory**, Letter. The road to the Church lot will not be included in the survey of the Church lot.
146. **H.M. Jones, February 4, 1955. Proposed Reservation for Champagne Indians on Klukshu River**, Letter. Consideration is given to the effect of the communications pole through the Klukshu reserve. "It was possible the propose pole line construction will effect a parcel of land reserved for the Champagne Band of Indians"
147. **H.M. Jones, February 2, 1955. Proposed Reservation for Champagne Indians on Klukshu Reserve**, Klukshu access road considerations.
148. **J.G. Hadzima, January 28, 1955. U.S. Army Corps of Engineers to Underwriters Laboratories Inc.**, Letter. Safety's Branch Officer W.W. King has been contracted to install foam fire protection systems. Concern is expressed over the use of this foam at -50 degrees fahrenheit. Comments are requested from this company.
149. **W.W. King, January 24, 1955. Elimination of Flame Arresters - Preventative Measure to Avoid TOL Tank Collapse, Alaska and Canada**. Measures are considered to prevent collapse or bursting during filling or unloading operations.
150. **W. George, January 20, 1955. Test on Air Foam Systems for Fire Protection, POL Bulk Storage Facilities**, Memorandum.

151. **F. Fraser, January 19, 1955. Proposed Reservation for Champagne Indians on the Klukshu River, Yukon Territory.** Survey of Lot 22, Group 803, Yukon Territory has been completed.
152. **W. Winegar, January 19, 1955. Air Foam Test on Fire Protection, POL Bulk Storage Facilities,** Memorandum to resident engineer. 1400 feet of line is required for the test however 8" pipe was not available for the complete length of the line and therefore 5" pipe was substituted in some sections.
153. **W. George, January 19, 1955. Elimination of Flame Arresters - Preventative Measures to Avoid POL Tank Collapse.** The Flame Arresters have been determined to be impracticable due to a hazard under low temperature conditions and are therefore authorized to be eliminated from all military construction projects located in Alaska and Canada.
154. **C.Y. Farrell, January 14, 1955. Airfoam Tests on Fire Protection, POL Bulk Storage Facilities,** Memorandum.
155. **M.H. Wershof, January 13, 1955. Communication Arrangements for the Haines-Fairbanks Pipeline**
156. **U.S. Army, January 13, 1955. Claims Arising in Canada - NEAC Claims Instruction,** Operating Manual. The purpose of this manual is to outline the procedures to be utilized for investigating, processing and reporting incidents and/or claims arising in Canada.
157. **R.W. Dunlop, December 22, 1954. Tank Farm Fire Protection - US Army Alaska** Advice from a consultant on the use of fire protection methods in cold weather.
158. **P.W. Norton, December 20, 1954. Disposition of Claims Arising From Acts or Omissions Of Employees of Non-Appropriated Fund Activities in Foreign Countries,** Memorandum. US Department of Defence advising the U.S. Army as to how claims will be handled.
159. **C.Y. Farrel, November 24, 1954. Tank Farm Fire Protection** A request for information from Imperial Oil by US Army Corps of Engineers.
160. **Mr. Kreitlow, October 1, 1954. POL Tank Foam Type Fire Extinguishing Systems,** Memorandum. Mr. Kreitlow informed Mr. King that the foam tank design does not comply with fire codes. No action was taken due to inavailability of funds. The system is inadequate because a liquid is pumped to the site and then turned into a foam, a liquid would not remain liquid at -50 degrees.

161. **A.G. Barkow, August 17, 1954. Welding Inspection, Haines-Fairbanks Pipeline System**, Letter. The consultant, Barkow, was hired to review the quality of the welding. Construction on the Yukon section was halted due to the very poor welding in the immediate past. Radiographic inspection indicated 100% of all welds made during the past several days required re-welding.
162. **R.E. Lee, July 29, 1954. Limits of Applicability of Ansel Fire Extinguishing Equipment and Systems**. Letter.
163. **E.G. Fiske, April 27, 1954. Request is Made to Halt Construction in the Vicinity of Max Kuney Asphalt Plant**
164. **C.K. LeCapelain, April 21, 1954. Area at Klukshu, Yukon Territory to be Surveyed for Indian Affairs Branch**, Memorandum.
165. **W.E. Anderson, April 20, 1954. Postponement of Pipeline Work in Eielson Area**, Memorandum. A request to postpone pipeline construction for Max Kuney company.
166. **T.P. Kellerher, April 20, 1954. Real Estate Division to Chilkat Valley Development Company**, Letter. Report of a meeting with several owners of land with regard to the pipeline easement.
167. **R.S. Conelin, April 13, 1954. Relocation of Portion of Haines Cut-off Road**
168. **E.S. Conklin, April 12, 1954. Changes to Plans and Specifications of the Haines-Fairbanks, Alaska Pipeline Project**, Letter. Approval is given by Canada for changes in plans and specifications for the Haines-Fairbanks Pipeline project. Changes include crossings at Dezadeash River, White River and Kluane Lake. Conflict is also noted between the Bi-America Act and the use of Canadian materials.
169. **C.A. Findley, April 8, 1954. U.S. Army Corps of Engineers Military Construction to Collins Manufacturing Company**. The company has protested the elimination of the use of cobalt 60 as a radio-active source in the inspection of the welding of the pipeline. Iridium 192 has been used as a superior radio-active source.
170. **Hansard, April 8, 1954. Employment of Canadians on Pipeline From Haines to Fairbanks**, Question Period. The member from Vancouver-South asks what steps is the Government taking to ensure the maximum number of jobs for Canadians on the pipeline from Haines to Fairbanks.

171. **G.A. Finley, April 7, 1954. U.S. Army Engineers to X-ray Engineering Company, Letter. Qualifications of Mr. Barkow as an inspector and rationale for the use of Iridium 192 in the inspection of the line.**
172. **H.M. Jones, April 6, 1954. Proposed Reservation for Champagne Indian's on Klukshu River, Letter.**
173. **L.L. Brown, April 6, 1954. Survey of Klukshu Indian Reserve Area, Letter.**
174. **D.H. Tulle, April 5, 1954. U.S. Army Military Construction to Honourable William F. Knowlan, United States Senate, Letter. Further reference to the use of Iridium 192 over Cobalt 60.**
175. **S.S. Konklin, April 5, 1954. United States-Canada Haines-Fairbanks Pipeline Agreement, Memorandum. The division engineer is instructed to take whatever action is deemed advisable with regard to the section of the pipeline treaty that specifies Canadian materials to be used in the Canadian portion of the line as far as feasible.**
176. **D.H. Tulle, March 31, 1954. Haines-Fairbanks Pipeline Project - Status Report, Memorandum. The line is 100% clear, the pipe is 60% complete and wharf constructions have begun.**
177. **S.J. Cunningham, March 31, 1954. Proposed Reservation at Klukshu, Yukon Territory, Letter.**
178. **M.F. Carey, March 25, 1954. FY 1955 MGA Execution Program for Alaska, Memorandum. A list of expenditures made by the US army including pipeline facilities.**
179. **D.H. Tulle, March 19, 1954. US Army Construction to Honourable William Knowlan, United States Senator, Letter. Further reference to the use of Cobalt 60.**
180. **L.B. Barrett, March 18, 1954. POL Equipment Available For Transfer A list of excess items including POL tanks, pumps and pipe reported available for transfer from French Morocco.**
181. **H.F. Carey, March 17, 1954. Haines-Fairbanks Communications, Memorandum. A description of the communication system and its costs.**
182. **L.B. Barrett, March 15, 1954. Shell Oil Contract for Military Pipeline Study, Memorandum. Notes to Legal Division**

183. **G.A. Findlay, March 12, 1954. US Corps of Engineers to X-ray Engineering Company**, Letter. Information on the radiographic and visual welding inspection of pipeline.
184. **E. Mayer, March 5, 1954. Approval of Changes in Plans and Speculations of Haines-Fairbanks Pipeline**, Letter. A letter from the Department of External Affairs stating that the appropriate Canadian authorities have approved certain changes in the plans and specifications of the Haines-Fairbanks pipeline.
185. **B. Rogers, March 3, 1954. Haines-Fairbanks Pipeline**, Letter. Diplomatic negotiations correspondence for the approval of plans. Canada has reserved the right to require the pipeline be buried in places other than those shown on the plans.
186. **D. Tulle, March 3, 1954. Pipeline from Haines to Fairbanks, Alaska**, Memorandum. A rebuttal to an alleged gross inadequacies of the pipeline design.
187. **R.F. Carey, March 2, 1954. U.S. Army Military Construction to Denamax Development Corporation**, Letter. Response to the corporations allegations that the design of the Haines-Fairbanks products pipeline is deficient. The suggestions have been reviewed and determined to be unnecessary.
188. **DIAND, March 2, 1954. DIAND to BC Lands and Forests**, Letter. Progress report on the pipeline construction. Additional valves will be installed to protect the fishery streams.
189. **R.J. Cunningham, February 24, 1954. Proposed Reservation for Champagne Indians on the Klukshu River**.
190. **D. Tulle, February 16, 1954. Excess Pipe Valves for Haines-Fairbanks POL Line**, Memorandum. Great Lakes Division, Missouri River Division and Ohio River Division have excess valves available for the Haines-Fairbanks Pipeline.
191. **H.F. Carey, February 15, 1954. Communications-Haines-Fairbanks POL Pipeline**, Memorandum. Cost estimates for the POL communication system are estimated at \$760,698.00.
192. **H.M. Jones, February 11, 1954. Proposed Reservation for Champagne Indians on the Klukshu River, Yukon Territory**, Letter.
193. **D.H. Tulle, February 10, 1954. U.S. Army Military Construction to Brigadier General, North Specific Division**, Letter. Plans to advertise for welding inspection for the Alaska pipeline and to employ an expert to review specifications prior to advertising.

194. **Williams, February 9, 1954. Relocation of the Haines Highway Between Haines and the Alaska Highway**, Memorandum.
195. **S. Halevich, January 13, 1954. Relocation of a Section of Haines Highway in Canada**, Memorandum. Various alternative routes are presented with their costs.
196. **A.C. Adams, January 2, 1954. Special Commissioner Pipeline for Canada to Superintendent of Lands, B.C.**, Letter. Consideration for the location of pumping station #2 at milepost 48.
197. **US Army in Alaska, undated. The Haines-Fairbanks pipeline and the military port at Haines, Alaska**, Summary Report. A public communication on the rationale for construction of the Haines-Fairbanks pipeline.
198. **F.S. Brown, December 30, 1953. Preparation of Case History for Selected MCA Line Items**, Memorandum. Haines-Fairbanks pipeline is used in example of a case history. Base information is provided.
199. **D.J. Tulle, December 18, 1953. U.S. Army Military Construction to Honourable Ferguson, United States Senator**, Letter. Investigation is made into the refusal to use a Port Chilkoot company office. Determination is made that the office was unsuitable for the U.S. Army's purposes.
200. **B.C. Record, H.F. Carey, December 14, 1953. POL Pipeline Haines to Fairbanks, Alaska.**, Letter. Attached herewith is the letter from Denamax Development Corporation outlining deficiencies in the design of the pipeline. Covering letter only.
201. **Carey, December 8, 1953. Reimbursement to Alaska Road Commission for Survey for Haines Cut-off Road Relocation, Alaska**, Memorandum.
202. **R.G. Robertson, December 3, 1953. Deputy Minister of Resource Development for Canada to B.C. Lands and Forests** A summary of the steps to be taken by residents of Canada in the submission of claims against United States military forces in Canada.
203. **Carey, December 2, 1953. Relocation of Portion of Haines Cut-off Road**, Memorandum.
204. **D. Tulle, November 25, 1953. Alaskan Pipeline Communications**, Memorandum. An alternative communications plan is approved resulting in a savings of \$1.4 million dollars. Rather than running the communications line parallel to the pipeline through its entire length, it is decided to use Skagway facilities for the

Haines to Haines Junction portion due to the year round accessibility and significant cost savings.

205. **Hansard, November 19, 1953. Tabling of Exchange of Notes Between Canada and United States Constituting the Agreement Concerning the Haines-Fairbanks Pipeline.** The Haines-Fairbanks Pipeline is under the permanent joint board on defense. The United States Government will be paying the cost of the pipeline and a civil servant will be appointed as special commissioner on the pipeline.
206. **L. Barrett, November 18, 1953. U.S. Army Military Construction to Percival G. Lesley,** Letter. Request for information on the delivery of pipe on the Haines-Fairbanks Pipeline. 21,000 tonnes of pipe from Stewart and Lloyd of London is scheduled to arrive between January and May, 1954. 7,000 tonnes from Joseph and Laughlin Steele Corporation and 14,000 tonnes from the National Tube Company of Pittsburgh will arrive up to May 1954.
207. **L.B. Barrett, November 6, 1953. Military Construction to Mr. Anthal Blackburn,** Letter. Request for information on the contracts for construction of the pipeline.
208. **D.G. Shingler, November 5, 1953. U.S. Army Corps of Engineers,** Memorandum. Construction costs are authorized at \$40 million dollars. It is projected that the total cost will approach \$36 million dollars.
209. **U.S. Army Engineers, undated. Info for Cut-lines, (Pipeline Job)** Photograph of a signing ceremony and a map locating the pump stations.
210. **R.J. Meeke, October 13, 1953. Klukshu Indian Reserve Fishing Station,** Letter.
211. **E.C. Itschner, October 9, 1953. U.S. Army Corps of Engineers,** Letter. A description of the progress of the bidding for the Haines-Fairbanks Pipeline contracts.
212. **U.S. Army Corps of Engineers, September 30, 1953. History of the Corps of Engineers Relating to Current Mobilization.** A summary of significant activities between July 1st, 1953 and September 30th, 1953.
213. **Department of National Revenue, September 18, 1953. To Collectors of Custom and Excise and Others Concerned, Haines-Fairbanks Pipeline,** Memorandum. Provision for the non-payment of tax for materials coming from the United States used in construction of the Haines-Fairbanks pipeline.

214. **E.C. Itschner, September 16, 1953. Brigadier General, U.S. Army to Chief of Engineers, U.S. Army**, Letter. Military construction program is on schedule at \$21 million dollars. The contracts have been awarded. Bids were advertised on August 29th and opened October 14th.
215. **C.R. Hopper, September 10, 1953. Deputy Minister, B.C. Government to U.S. Army Corp of Engineers**, Letter. Acknowledgement of receipt of plans for construction of the Haines-Fairbanks Pipeline.
216. **B.C. Parliament, August 27, 1953. Opening Remarks by the Chairman**, Minutes. Mr. A.C. Adams has been appointed as special commissioner to handle all matters respecting construction of the Haines-Fairbanks Pipeline in Canada.
217. **Press Release, August 12, 1953. Official Announcements of the International Agreement for the Haines-Fairbanks Pipeline**
218. **International Treaty, June 30, 1953. Haines-Fairbanks Pipeline Agreement Between Canada and the United States of America**, Treaty Series 1953 No. 20
219. **B.G. Itschner, June 29, 1953. Activities and Problems of NPD**, Memorandum A list of problems created by budgetary constraints.
220. **Lieutenant Governor of B.C., May 2, 1953. Drafting of the Haines-Fairbanks Pipeline Agreement**, Treaty.
221. **R.H. Winters, April 1st, 1953. Haines-Fairbanks Pipeline**, Letter. Logistics of putting Order-in-Council in place for B.C. lands and noting a meeting held between officials.
222. **J.C. Bonbright, February 6, 1953. Acting Assistant Secretary for European Affairs to Secretary of the Army**, Letter. A summary of the negotiations for the Haines-Fairbanks Pipeline to date. Negotiations began June 1952 and included the Permanent Joint Board on Defence, United States and Canadian officers. Reference is made to Canada's land negotiations with British Columbia.
223. **H.A. Young, October 22, 1952. Deputy Minister of Resources and Development to Department of Lands and Forests**, Letter. Canada is concerned that B.C. is insisting on a completely buried pipe contrary to an initial agreement that it could be unburied except under beds of streams, where it crosses highway or traversed through private property. The urgency of the pipeline is given as the reason for their concern.
224. **N.F. Carey, October 17, 1952. Haines-Fairbanks Pipeline**, Memorandum. Information on construction contacts.

225. **Government of British Columbia, October 7, 1952. Order-in-Council for a Right-of-Way to Canada for the Haines-Fairbanks Pipeline**
226. **E.C. Itschner, September 26, 1952. Haines-Fairbanks Pipeline, Memorandum. Discussion on the timing of construction bidding.**
227. **W.N. Ely, September 22, 1952. Construction of POL Pipeline, Haines to Fairbanks, Disposition Form. Contracts awards are delayed due to non-completion of the negotiations with Canada.**
228. **R.H. Winters, September 18, 1952. Canada's Minister of Resource and Development to B.C. Premier, Letter. Order-in-Council for an easement is preferred by British Columbia over a transfer of title of the land to Canada.**
229. **H.A. Young, July 17, 1952. Proposed Pipeline, Haines to Fairbanks, Canada Resources and Development letter to B.C. Department of Lands and Forests. Exchange of letters re: negotiation of the Haines-Fairbanks Pipeline International Treaty.**
230. **E.B. Sinclair, July 12, 1952. Memorandum on Indian Fishing Station At Klukshu River, Memorandum. Indians numbering 118 at a salmon fishing station concerned about encroachment by civilization and request a reserve. Handwritten**
231. **L.B. Pearson, June 20, 1952. Secretary of State for External Affairs, Letter. Canadian Government reserves the right to cancel on two months notice the agreement if the project is unable to begin in 1953. Other notes from the Permanent-Joint Board on Defence covering the conditions of construction ownership and operation by United States of the section of the pipeline in Canada.**
232. **U.S. Army Corp of Engineers, March 7, 1952. Preliminary Real Estate Acquisition Plan, Summary. Catholic Episcopal Church of Whitehorse at milepost 119 is noted.**
233. **L.A. Stanley, December 17, 1951. Specifications for Advance Procurement, POL Pipeline, Haines to Fairbanks, Conference Minutes. Reference to soil samples taken at station #2. Use of foamite fire protect was discussed and several other features of the design of the pipeline.**
234. **H.E. Helmboldt, November 24, 1951. Haines-Fairbanks Pipeline, Memorandum. A discussion on the merits of welded pipe versus seamless pipe. Welded pipe was considered suitable, cheaper and possibly in better supply. Welded pipe would have to be welded with an electric fusion weld rather than electric arc welding and made from plate so that the wall thickness would be closer to the tolerance of the seamless pipe.**

235. **B.J. Allen, October 16, 1951. Reserves and Trusts to Superintendent, Indian Agency**, Letter. Acknowledgement of a request for a new reserve at Klukshu fishing station and that a survey of the reserve will be included in the 1952 season.
236. **C.K. LeCapelain, October 11, 1951. Proposed Reserve for Champagne Indians on the Klukshu River, Y.T.**, Memorandum. Survey of the proposed reservation will occur in 1952 excluding the Roman Catholic Mission.
237. **R.J. Meekes, September 27, 1951. Indian Agent Whitehorse to Indian Affairs Branch Ottawa**, Letter. Description of the traditional life at Klukshu and recommendation for a reserve.
238. **E.W. Wieman, September 20, 1951. Discussion with Brigadier General Commander Northwest Highways System Canada on Proposed POL Pipeline**, Memorandum. General Love met with US Colonel and discussed the route of the pipeline. Concern was expressed over protection of the gravel pits and the necessity for deep burial of the pipes in the buried sections.
239. **C.K. LeCapelain, August 30, 1951. Proposed Reservation for Champagne Indians on the Klukshu River**, Letter.
240. **H.M. Benninghoff, August 16, 1951. United States Section of Permanent Joint Board on Defence**, Restricted Letter. Permission is granted to begin surveying the pipeline right-of-way. Consultation is required to obtain right-of-way or construct the pipeline.
241. **J.S. Harrington, August 11, 1951. Survey of Oil Pipeline from Haines to Fairbanks**
242. **C.K. LeCapelain, August 7, 1951. Proposed Reservation for Champagne Indians on the Klukshu River**. Letter.
243. **Acting Director of Lands, July, 12, 1951. Letter Re: Klukshu Indian Reserve**
244. **C.M. Hawke, June 1, 1951. Preliminary Engineering Study of the POL Pipeline**, Report. Fluor Corporation Ltd's 39 page report including strip map. Klukshu village is noted at Pipeline Milepost 107.5.
245. **W.S. Ameil, May 31, 1951. Proposed Reserve for Champagne Band, Yukon Agency**, Memorandum.
246. **R.J. Meeke, May 28, 1951. Indian Agent to Indian Commissioner for B.C.** Letter. Re: Klukshu Reserve.

247. **D.J. Allen, May 16, 1951. Reserves and Trust to Indian Commissioner**, Letter. Request for information for the purpose of the reserve.
248. **W.B. Waugh, April 24, 1951. Proposed Survey of Site for Indian Reserve at Junction of Haines Cut-off Road and Unahini (Klukshu) River**, Letter.
249. **D.J. Allen, March 14, 1951. Reserves and Trusts to Department of Lands and Technical Surveys Re: Klukshu Indian Reserve**
250. **R.J. Meeke, March 5, 1951. Indian Agency to Indian Affairs Branch, Ottawa Re: Klukshu Indian Reserve**
251. **G.E. Galloway, September 1, 1950. POL Pipeline Coast to Fairbanks, Alaska** Documents of permission from Canada to survey route the pipeline.
252. **J.E. Hill, May 3, 1949. Union Oil Company of Canada to U.S. Army**, Letter. Information provided on the dikes around the tank farms at the army in cold weather.
253. **W.C. Woodward, June 5, 1944. B.C. Order-in-Council** Lands Reserved for Military Purposes Within One Mile of any Part of the Haines Military Cut-off Road.
254. **No Author, August 18, 1940. The Establishing of a Permanent Joint Board on Defence**, Treaty Series 1940, No.14.