1.7 G.13, Environmental Site Assessment

1.7.1 Executive Summary

Introduction

The Nanisivik Mine, located on the south shore of Strathcona Sound near the community of Arctic Bay in the North Baffin region, produced lead and zinc mineral concentrates from 1976 to 2002. The mine was permanently shut down in 2002 due to depleted ore reserves and poor economic forecasts.

As part of the closure and reclamation planning process, CanZinco Ltd., the mine owner, commissioned an Environmental Site Assessment ("ESA") to identify the nature and distribution of contaminants in soil. A Phase 2 ESA was undertaken in July 2002 by Gartner Lee Limited ("Gartner Lee"). Conditional approval was given by the NWB for the Phase 2 ESA Report based on fulfillment of 15 specified conditions regarding information requests and requests for clarifications. Each of those conditions is addressed herein.

A Phase 3 ESA investigation was conducted in August 2003 that incorporated as many of the comments that were brought forward through the NWB review of the Phase 2 ESA Report as allowed by timelines and practicalities. The Phase 3 ESA investigations are reported on herein.

A total of 267 soil samples were collected from 90 test pits during the Phase 3 ESA. Additionally, 15 water samples were collected from groundwater monitors and surface seeps. Analyses for metals and petroleum hydrocarbon concentrations were conducted at an accredited laboratory for a select subset of the soil samples and all of the water samples.

The work performed for the Phase 3 investigations is considered to complete the needs for preparation of a remedial plan for the Nanisivik site and no further ESA investigations are deemed necessary.

Conclusions

The conclusions drawn from Phase 3 program, as presented herein in Section 5, are provided below

Dock Area

- The downgradient extent of hydrocarbon contaminated soil at the fuel tank farm has been delineated. Testing has shown that it does not extend beyond 40 m from the berm of the tank farm.
- Concentrations of hydrocarbons in the soil within the dock cell containing the ship loader facility exceed the generic PHC CWS IL for the protection of aquatic life, the site soil quality remediation objective.
- Surficial hydrocarbon contamination is present at the AST adjacent the refuge station. The contamination appears to be isolated to the immediate area surrounding the AST.
- Hydrocarbon contamination was detected in a test pit which exposed the fuel line from the dock to the tank farm. Results indicate that contamination is localized and has migrated less than 40 cm from the line.
- Zinc concentrations greater than the SQRO for the dock area have been identified on surface adjacent the door to the concentrate shed on the west side, at the load out dock and adjacent the refuge station. One isolated incidence is documented on the east side of the concentrate shed. Lead concentrations also exceed the SQRO adjacent the door of the concentrate shed on the west side. No lead or zinc contamination greater than the SQROs is indicated in the

reagent storage area. Analytical results indicate that the metal contaminated soil does not extend to 0.4 m below surface.

- Silver exceeds the generic CEQG IL, the site soil quality remediation objective. Elevated silver results were returned in samples with zinc concentrations that were indicative of zinc concentrate and several times greater than the SQRO and therefore silver is contamination would be remediated during the remediation of the zinc contaminated soils.

STOL Airstrip

- Hydrocarbon contaminated soil detected during the Phase 2 ESA at the east end of the airstrip has been delineated. The contaminated soil does not extend 45 m from the point of origin as indicated by surface staining. Hydrocarbon contaminated seepage water was encountered in test pit TP03-373, however soil quality results from this test pit met the PHC CWS RL criteria. Test pit TP03-373 was excavated approximately 45 m from the point of origin.
- Lead concentrations greater than the SQRO detected during the Phase 2 ESA on the apron on the south side of the airstrip were investigated. The lead contamination has been delineated vertically and laterally and it is confined to the soils on surface at the apron.

Town, Carpenter Shop

- The downgradient extent of hydrocarbon contaminated soil at the Carpenter Shop has been delineated. It does not extend 50 m downgradient of the building. No impact of hydrocarbon contamination on the surface water was detected in the water flowing in a ditch adjacent to the Carpenter Shop.

Industrial complex

- Soils beneath the surface water runoff pathway, downgradient of the fuel day tanks, are contaminated with hydrocarbons. Contamination did not extend to 0.95 m beneath surface at test pit TP03-331, but was present at 1.5 m below surface at the upgradient test pit TP02-88.
- Hydrocarbon contaminated soil has been delineated at the waste oil tank, located between Twin Lakes Creek and the industrial complex. Results indicate that it is isolated to the downhill side of the tank and does not extend to the creek.
- Hydrocarbon contaminated soil is present at the oil water separator. Analytical results obtained from test pit TP03-330 indicated that the contaminated soil does not extend 50 m downgradient of the oil water separator.
- Metal contaminated soil is present in the soil surrounding the industrial complex. Analytical results to date indicate that concentrations of cadmium, lead and zinc greater than the SQROs do not generally extend to 0.4 m below surface.

Warehouse Yard

- Hydrocarbon contamination is present in surficial soils with patchy, visible staining. Hydrocarbon contamination at an area of heavy staining (initially identified and sampled during the Phase 2 ESA) extends into the fractured bedrock to at least 0.8 m depth. It does not extend into the weathered, fractured bedrock, encountered 0.4 m, beneath lightly stained surface soils.

Landfarm Cell

- Based on analytical results obtained to date, it is estimated that approximately 25% of the hydrocarbon contaminated soil being remediated in the landfarm cell at the landfill currently meets the generic PHC CWS RL criteria.

Landfill

- No hydrocarbon contamination was detected in soil or water samples down gradient or cross gradient of the landfill and all analyses were less than the method detection limits.
- No elevated metals were encountered in the soils.

K-Baseline

- Hydrocarbon contamination of soil has been detected at the former AST and maintenance shop at K-Baseline. Analytical results from test pits excavated northwest of the former AST and maintenance shop indicated that the contaminated soil does not extent to intermittent tributary of Chris Creek
- Analytical results from the Phase 3 ESA illustrate that the hydrocarbon contaminated soil is isolated to the top of the active layer.

Roads

- Surficial hydrocarbon contamination is present at the ASTs adjacent the refuge stations at the side of the roadways. The contamination appears to be isolated to the immediate area surrounding the ASTs.
- Metal contamination of soil is present adjacent the former Oceanview mine workings.
- Iron contaminated soil is present on the surface of the roadway between the townsite and the industrial complex at the west side of bridge near the sewage treatment plant. The contamination did not extent to 0.4 m below surface.
- Metal contaminated soil is present on the surface of the roadway between the industrial complex and the screening plant, located approximately 1.5 km to the north. The contamination did not extend to 0.4 m below surface and was not detected in soils adjacent to the roadway.

1.8 G.16, Underground Mine Waste Disposal Plan

1.8.1 Executive Summary

The closure of Nanisivik mine, as with any mine, creates a considerable amount of material that requires disposal. The purpose of the waste disposal plan is to identify and classify the waste, which may include derelict equipment, contaminated soil, waste rock, demolition debris, and regulated or hazardous material. The plan will also provide information on how and where the waste will be disposed of.

The objective of the plan is to dispose of all waste in such a manner as to eliminate the pathway by which exposure to humans or the environment is possible. This will be done in two ways:

1. Deposit the material underground in locations where gravity will prohibit migration of contaminants to surface openings and permafrost aggradation will effectively seal the waste in place.

2. Deposit the material into pits, cover with rock fill and contour to allow for positive surface drainage and the prevention of pooling. The natural aggradation of permafrost will then effectively isolate the waste.

After the material is classified, an action plan for that particular material is followed and a storage location is selected. The storage location depends on the associated risk with the particular material as well as the volume required to facilitate the disposal

Waste handling procedures will be recorded and documentation will kept on site for review during the reclamation and closure monitoring periods. Records will include a description of the waste, classification, any decontamination required, storage location and estimated storage volume.

A simple classification system is used to differentiate the types of waste as shown below.

Type of Waste	Criteria	Class
Abandoned Equipment	1 – Contains regulated materials (free phase liquids, batteries, etc.)	AE1
	2 – Can be stored directly	AE2
Demolition Debris (Inert solids)	1 – Can be stored directly or burned (wood debris)	DD1
Soil	1 – Contains Metals above the SQRO	S1
	2 – Contains Hydrocarbons above the SQRO	S2

(SQRO – Soil Quality Remediation Objective)

Disposal plans and waste volume estimates for the major component areas of the site are included in the Plan. These include:

1. Dock Area: Total volume of 3,750 m^3.
2. Warehouse Yard: Total volume of 1,500 m^3.
3. Industrial Complex Area: Total volume of 3,700 m^3.
4. Town Site: Total volume of 4,600 m^3.
5. WTDA: Total volume of 1,000 m^3.
6. Mobile Equipment: Total volume of 4,150 m^3.

The total of all waste with a 25% contingency added is 23,500 m^3.

Demolition debris and abandoned equipment will be reduced in volume as much as possible prior to being placed in a storage location. This will minimize the number of trips and will better facilitate the loading of haulage trucks and the placement of the waste. The large amount of space available underground will make it possible to avoid handling the material more than once. In most cases trucks will dump directly into the allotted storage area and no further handling will be required. In areas where the height is limited, the material will be pushed up so that 60 to 75 percent of the space is utilized.

Several areas in the mine have been identified as potential storage areas. The areas selected for storage are in close proximity to the main haulage roads. A total of 315,000 m^3 of space is available for the storage of waste underground, which is substantially greater than the volume required for the identified solid waste (23,500 m^3).

1.9 G.17, Landfill Closure Plan

1.9.1 Executive Summary

The technical objectives of the landfill closure plan are to provide:

- A closure cover design that satisfies the overall objective of isolating landfill material from the environment;
- A performance monitoring plan that allows the ability to assess the effectiveness of the landfill cover; and
- A contingency plan in the event the landfill cover does not perform in an acceptable manner

A further objective of the Landfill Closure Plan is to address community concerns and perceptions. During the public consultation process for mine closure, the Community of Arctic Bay raised concerns regarding the status and closure of the landfill facility. Specifically, the concerns focus around the potential for environmental contamination from the waste materials contained within the facility. These concerns were considered in the Environmental Site Assessment investigations that were conducted in 2002 and 2003 and are addressed further herein.

The Nanisivik landfill is a conventional landfill facility that has been in operation since the mine and town were constructed in 1975. The facility is located approximately 4 km south of Strathcona Sound on a local topographic high/divide (approximately 350 masl) between two drainage directions, northeast and northwest. This site location was selected to minimize drainage through the facility. The northeast drainage path is intermittent in nature and reports to Strathcona Sound via Twin Lakes Creek. The northwest drainage path reports to Strathcona Sound via a small meadow/marsh area. Drainage from the facility naturally preferentially drains to the northwest and this flowpath is promoted by the presence of a water diversion berms designed to divert water in this direction.

The landfill facility occupies an area of approximately 4 ha and ranges in thickness from about 2 m to approximately 10 m.

During the period of mine operations from 1975 to 2002, the facility received waste from residential, institutional, industrial, and other miscellaneous waste streams. Waste materials were typically end dumped and pushed over the advancing crest after burning and crushing, as appropriate, and were subsequently covered with shale rock to maintain a safe working area and to minimize wind dispersion. An assessment conducted by CanZinco in 1999 estimated the waste stream volume to be 1,150 m^3 per year (after burning). The majority (75%) of the waste stream was characterized as institutional and domestic.

In 1990, a substantial amendment to the operating practices of the landfill was instituted that eliminated the disposal of any used oils, glycols or lead-acid batteries as had been common practice at industrial and municipal landfill facilities prior to 1990.

A landfarm cell, internal to the landfill facility was established in 2000 as a means of remediating hydrocarbon contaminated soil that had been excavated from a spill of diesel fuel at the carpenter shop in the town area. The 2003 Phase 3 Environmental Site Assessment ("ESA") conducted by Gartner Lee for CanZinco indicated that approximately 25% of the soil in the landfarm cell met current federal guidelines for petroleum hydrocarbons in soil.

Gartner Lee Limited conducted a Phase 2 ESA of the mine property for CanZinco in 2002 as part of the closure planning activities. This work was followed up with a Phase 3 ESA in 2003. A total of 14 test pits were excavated in the landfill area. Seepage sampling wells were installed in six of these test pits that encountered water. One seep that emerged at the toe of the landfill in the vicinity of the southwest berm was sampled. The Phase 3 ESA provided the following conclusions regarding the landfill:

1. No hydrocarbon contamination was detected in soil or water samples down gradient or cross gradient of the landfill and all analyses were less than the method detection limits; and
2. No elevated metals were encountered in the soils.

Given that the landfill has been in operation since 1975, these results are considered to provide a positive indication that contaminants have not migrated from the landfill facility.

The selected approach to closure of the Nanisivik landfill is to construct a thermal barrier cover of locally available, natural materials that makes use of the natural thermal regime at the mine site to achieve the reclamation objectives. This design approach has been successfully used for landfill closures at other northern mine sites in the Canadian Arctic. Since the waste will be permanently frozen, there will be no opportunity for contaminants to migrate from the landfill.

The geotechnical issues considered in the design include:

- cover thickness/thermal performance;
- availability of materials;
- infiltration;
- durability;
- gradation/filtration;
- slope stability; and
- erosion.

Based on these considerations, the proposed design of the cover for the landfill facility is as follows:

1. The top slope of the final landfill surface will be about 2 ° and the maximum sideslope of the landfill will be 18 ° (3H:1V);
2. A two-layer thermal cover with a total thickness of 2.20 m will be placed above the landfill waste;
3. The upper erosion-resistant capping layer shall consist of a durable, erosion resistant material with a thickness of 0.25 m. The selected material is the Twin Lakes sand and gravel; and
4. The underlying layer will be shale with a thickness of 1.95 m to provide a minimum total thermal cover thickness (in combination with the surface layer) of 2.20 m. A grain size guideline (grain size distribution ranging from well-graded gravel to fine to medium sand) has been provided. It is recommended that the shale material be durable under freeze-thaw conditions.

Activities to be completed as part of the landfill closure are outlined below.

1. Relocate soil in the landfarm cell that exceeds the remedial objectives for petroleum hydrocarbons to the underground mine according to the Underground Mine Waste Disposal Plan;
2. Develop and implement a construction quality control program, which should include materials testing, survey control, and construction monitoring;

3. Grade the existing surface according to the design drawings to prepare a reclamation surface that does not exceed 3H:1V slope;
4. Construct the lower (shale) layer of the final cover;
5. Construct the upper (Twin Lakes sand and gravel) layer of the cover over the shale and groom the final surface to avoid potential surface channelization of runoff water; and
6. Prepare an as-built report.

Performance monitoring to monitor the effectiveness of the closure design will be conducted throughout the 2- year active reclamation period and the 5-year post-closure period. Components of that monitoring will include surface and ground water sampling and analyses, geothermal monitoring, and physical geotechnical inspections.

In the event that the cover does not perform a number of contingencies have been developed. These include:

- increased frequency of sampling/monitoring and data review by the technical professional;
- repair any erosion of the cover;
- place additional cover material to increase the cover thickness; and
- extend the period of performance monitoring

The risk that contaminated leachate will be observed at the reclaimed landfill facility is considered to be small. Nonetheless, in the unlikely event that contaminated leachate is observed and confirmed by increased sampling and other investigations, the mitigative measures that would be considered would include:

- increasing the cover thickness over all or parts of the facility;
- passive treatment along the seepage flowpath;
- installation of a geosynthetic or GCL liner over all or portions of the facility;
- relocation of portions of the waste materials; and, ultimately,
- installation and operation of a leachate collection system.

Community Summary
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ᓇᓂᓯᕕᒃ ᐅᔭᕆᒃᓯᐅᕐᕕᒃ ᕿᑭᖅᑕᓗᒃᒥᑦᑐᖅ. ᓄᓇᐅᑦ ᐃᓗᐊᓂᑦ ᓴᕕᒃᓴᓂᒃ ᑯᓯᖅᓯᐊᒃᓴᓂᒃᓗ ᐅᔭᕆᑦᑕᖅᕕᐅᔪᖅ ᐱᖁᑎᒋᔭᐅᓪᓗᓂᓗ ᑲᓐᐳᓐᑯ-ᑯᓐᓂᒃ ᐅᔭᕆᒃᓯᐅᕐᑎᑦ ᐊᒻᒪᓗ ᑕᐃᒪᖓᑦ ᐱᒋᐊᕐᒥ ᐅᔭᕆᒃᓯᐅᖏᓐᓇᕐᓗᑎᒃ 1976-ᒥᑦ. ᓇᓂᓯᕕᒃ ᐅᔭᕆᒃᓯᐅᕐᕕᒃ ᐅᔭᕆᒃᑕᕆᓐᓂᓪᓚᐅᕐᑐᖅ ᓴᕕᒃᓴᓂᒃ ᑯᓯᖅᓯᐊᒃᓴᓂᒃᓗ ᓯᑎᐱᕆ 2002-ᒥ ᐊᒻᒪᓗ ᒫᓐᓇ ᒪᑐᕕᒃᓯᒪᓕᕐᓗᓂ. ᐱᕕᒃᔪᐊᖑᓪᓚᖑᔪᖅ ᐊᕙᑎᖓ ᐅᑎᖅᑎᑕᐅᓗᓂ ᐊᑦᑕᕐᓇᖏᑦᑐᒥᒃ ᐃᓄᖁᓪᓗᒋᑦ ᓄᓇᕗᒻᒥᐅᑦ ᐊᒻᒪᓗ ᓄᓇᖓ ᐊᕙᑎᖓ ᐃᓂᒋᔭᐅᔪᓐᓇᕐᓗᓂ ᐃᓄᒃᕕᐅᔪᓐᓇᕐᓗᓂ ᐃᓄᖏᓐᓄᑦ ᓄᓇᒃᑎᐅᔪᓄᑦ. Hᐊᒪᓚᒃᑯᑦ ᐃᒃᐱᐊᕐᔪᒃᒥ ᐃᓚᐅᖃᑕᐅᓂᐊᓕᕐᓂᐊᕐᒪᑕ ᐅᔭᕆᒃᓯᐅᕕᒃ ᒪᑐᔭᐅᓂᖓᓄᑦ ᐸᕐᓇᐅᑎᖏᓐᓄᑦ. ᑲᓐᐳᓐᑯ-ᑯᑦ ᐊᖏᕐᓯᒪᓪᓚᕆᒃᑐᑦ ᐃᓚᐅᖃᑕᐅᕐᑯᔾᔪᓪᓚᕆᒃᑐᑎᒃ ᕿᒥᕐᕈᔭᐅᓂᖏᓐᓄᑦ ᐸᕐᓇᐅᑎᐅᔪᑦ ᑎᒍᒥᐊᕐᑎᐅᔪᓪᓗ ᕿᒥᕐᕈᖃᑕᐅᑎᐊᕐᓗᑎᒃ ᐊᖏᕐᑕᐅᓂᐊᕐᓗᓂ ᓄᓇᕗᒻᒥ ᐃᒥᓕᕆᔾᔪᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ, ᓚᐸᒪᑐᖅᑯᓐᓄᓪᓗ ᐊᒻᒪᓗ ᓚᐸᒪᒃᑯᑦ ᓄᓇᕗᒻᒥ.

ᑕᒪᕐᒥᒃ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᓴᓗᒪᖅᓴᐃᓕᕐᐸᑦ ᑎᑎᕋᕐᓯᒪᔪᑦ ᑕᕝᕙᓂ. ᓇᐃᒡᓕᒋᐊᕐᓯᒪᓪᓗᓂ ᑎᑎᕋᕐᑕᐅᔪᖅ ᓴᓗᒪᖅᓴᐃᓂᖓ ᖃᓄᐃᓕᖓᖕᒪᖔᑦ ᐅᑲᐊᖑᔪᑦ ᐊᑕᓂᑦᑐᑦ.

1. ᑕᒪᕐᒥᒃ ᓄᓇᐅᑦ ᐃᓗᐊᓂ ᐅᔭᕆᒃᓯᐅᕈᑎᑦ ᐊᒻᒪᓗ ᓄᓇᓯᐅᑎᕈᔪᐃᑦ ᐊᐅᓚᐅᑎᕈᔪᐃᑦ ᐊᐅᓪᓚᕐᑎᑕᐅᓗᑎᒃᓗᓐᓂᑦ ᐅᒥᐊᕐᔪᐊᒃᑯᑦ ᐅᑯᓗᓐᓂᑦ ᓄᓇᐅᑦ ᐃᓗᐊᓄᐊᕐᖃᕐᑕᐅᓗᑎᒃ. ᖁᐊᖑᐃᓐᓇᕐᓂᖓ ᓄᓇᐅᑦ ᐊᑦᑕᕐᓇᖏᑦᑐᒥᓪᓗᑎᒃ ᐃᓕᐅᖃᕐᑕᐅᓂᐊᕐᑐᑦ ᐊᑐᕐᑕᐅᔭᐊᖏᑦᑐᖅ ᖁᔭᓇᕐᑕᐅᔪᑦ ᐱᖁᑎᑦ. ᑕᒪᕐᒥᒃ ᐹᓚᑦᕝᕕᐅᑦ ᐸᖏᑦ ᒪᑐᔭᐅᓂᐊᕐᑐᑦ ᓯᒥᒃᑕᐅᕕᒃᓗᑎᒃ.

2. ᑲᓐᐳᓐᑯ-ᑯᑦ ᑲᑎᑦᑎᓯᒪᔪᑦ ᖃᐅᔨᓇᓱᒃᓯᒪᓪᓗᑎᒃᓗ ᖃᓄᐃᔪᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᐅᔭᕆᒃᓯᐅᖅᑕᐅᔪᑦ ᐊᕙᑎᑎᓐᓄᑦ ᐊᒻᒪᓗ ᖃᐅᔨᓇᓱᒃᑲᐃᓐᓇᓕᓪᓗᑎᒃ. ᒫᓐᓇᒎᑦ ᖃᐅᔨᓯᒪᔭᖏᑦ ᓇᓗᓇᐃᕐᓯᓯᒪᔪᑦ ᓇᒥᓕᓐᒪᖔᑕ ᓴᕕᒃᓴᕈᔪᐃᑦ ᐅᕐᓱᐊᓗᕈᔪᐃᓪᓗ ᓴᓗᒪᖅᑕᐅᔭᓇᐊᓕᑦ ᓄᓇᒥᑦᑐᑦ. ᑲᓐᐳᓐᑯ-ᑯᑦ ᑐᐊᕙᖓᓂᒃ ᐱᔭᐃᓗᑎᒃ ᓄᓇᐅᑦ ᐃᓗᐊᓄᐊᒃᐃᔪᒪᔪᑦ ᐃᓗᐊᓂᓗ ᖁᐊᖑᐃᓐᓇᕐᑐᒥᓗᓂ ᐊᑦᑕᕐᓇᒃᔮᖏᒪᑦ ᐊᕙᑎᑎᓐᓄᑦ.

3. ᐅᔭᕆᒃᓯᐅᕐᑎᓪᓗᒋᑦ ᑯᕕᔭᐅᖃᑦᑕᕐᓯᒪᔪᖅ ᐃᒥᖅᑯᑦ ᑯᕕᔭᐅᕙᓪᓕᐊᓯᒪᔪᖅ ᑕᓯᓕᐊᕆᓯᒪᔪᒍᑦ. ᒪᕿᓪᓗᑎᒃ ᑯᕕᕐᕕᐅᖃᑦᑕᕐᓯᒪᔪᒃ. ᐱᖃᑦ ᐃᒥᖅᑯᑦ ᑯᕕᔭᐅᓪᓗᓂ ᐱᖃᑦ ᓄᓇᒍᑦ ᑯᕕᔭᐅᓪᓗᓂ. ᐃᒥᖅᒥᒃ ᖃᐅᔨᓴᕐᓗᑎᒃ ᑐᑭᓯᓪᓚᐅᕐᑐᑦ ᐃᒥᐅᑦ ᐃᒥᕐᑎᐊᕙᐅᓂᖓᓂᒃ ᖃᐅᔨᓴᐅᑎᑦ ᑎᑎᕋᕐᑕᐅᓯᒪᔪᖅ ᒪᓕᒃᑕᐅᓂᖓᓂᒃ ᓄᓇᕗᒻᒥ ᐃᒥᓕᕆᔾᔪᑦ ᑲᑎᒪᔨᖏᑕ ᐊᕐᕿᒃᓯᒪᔭᖓᓂᒃ.

4. ᑯᕕᔭᐅᓂᑯᐃᑦ ᐃᒥᖅᒍᑦ ᐃᒪᓂᖏᓐᓇᕐᓂᐊᕐᑐᑦ ᐊᒻᒪᓗ ᓄᓇᒍᑦ ᑯᕕᔭᐅᓂᑯᐃᑦ ᓴᐅᔭᐅᓂᐊᕐᓗᑎᒃ 4-ᓂᒃ ᐃᓯᒐᓂᒃ ᐃᔪᑎᒋᔪᒥᒃ (1.25-ᒥᑕ) ᑐᐊᕙᒃᒥᒃ ᕿᕐᓂᕐᑕᒥᒃ ᐊᒻᒪᓗ ᖃᒃᑲᓐᓂᐊᒍᑦ ᑐᐊᕙᑐᐃᓐᓇᕐᒥᒃ. ᑐᐊᕙᒃᑲᓐᓂᕐ ᐅᕐᑯᓯᕙᓪᓕᐊᓂᖓ ᐃᓱᒪᒋᔭᐅᓪᓗᓂ ᐱᖃᓯᐅᑎᓯᒪᔪᖅ.

5. ᑐᓚᒃᑕᕐᕕᒃ ᐱᖁᑎᒋᔭᐅᒃᒪᑦ ᐃᒪᕐᒥᐅᑕᓕᓐᓇᕐᑯᓐᓄᑦ. ᓴᐳᒻᒧᖅᑯᑦ ᐱᔪᒪᒍᑎᒃ ᐊᑐᕐᑕᐅᖏᓐᓇᕐᓗᓂ ᐅᕐᓴᒃᓴᐃᕕᐅᓗᓂ. ᐅᕐᓱᖃᐅᑎᓪᓗ ᐊᑲᐅᓇᕿᔭᕐᒪᑦ ᑕᐃᒪᐃᑐᒪᒍᑎᒃ ᑭᓯᐊᓂ ᐊᕿᒃᓯᔪᖃᓚᐅᖏᑐᖅ ᔪᓕ.

6. ᐊᖅᑯᑎᑦ ᒥᑦᑕᕕᓕᐊᖓᔪᖅᓗ ᑐᓚᒃᑕᕕᒃᒧᐊᖓᔪᖅᓗ ᐃᒃᐱᐊᕐᔪᒃᒧᑦ ᓇᓂᓯᕕᒃᒧᓪᓗ ᑕᓯᓕᐊᕆᓯᒪᔪᒧᑦᓗ ᐱᖁᑎᒋᔭᐅᒃᒪᑦ ᓄᓇᕗᒻᒥ ᒐᕙᒪᒃᑯᓐᓄᑦ ᑕᐃᒪᐃᓂᖓᓄᑦ ᐃᓚᒋᔭᐅᖃᑕᐅᖏᑦᑐᑦ ᓇᓂᓯᕕᐅᑦ ᒪᑐᔭᐅᓂᖓᓄᑦ ᐸᕐᓇᐅᑎᒧᑦ. ᐊᑐᕐᑕᐅᓂᐊᕐᓂᖓ ᓯᕗᓂᒃᓴᕐᑎᓐᓂ ᐊᐅᓚᑕᐅᖏᑦᑐᖅ ᑲᓐᐳᓐᑯ-ᑯᓐᓂᑦ.

7. ᒪᑐᓯᒪᓕᕐᑎᓪᓗᒍ ᐋᔩᖏᑦᑐᑦ ᐃᓱᒪᒋᔭᐅᓯᒪᕙᓗᐊᑦ ᐊᑐᕐᑕᐅᔭᕐᓇᑐᑦ ᐃᒃᑐᐃᓪᓗ ᐊᓯᖏᓪᓗ ᐱᖁᑎᖏᑦ. ᒫᓐᓇᒎᑦ ᑎᑭᓪᓗᓂ ᓴᕿᑯᖅᓯᒪᖏᑦᑐᖅ ᐱᔪᒪᔪᑕᐅᔪᓂᒃ ᐊᖏᕐᑕᐅᓯᒪᔪᓂᒃ ᒐᕙᒪᒃᑯᓐᓄᑦ ᓄᓇᕗᒻᒥ ᐊᓯᖏᓐᓄᓪᓗ ᐱᔪᒪᓯᒪᔪᓄᑦ, ᑕᐃᒪᐃᓐᓂᖓᓄᑦ ᑲᓐᐳᓐᑯ-ᑯᑦ ᐱᖁᔭᑎᒎᑦ ᐱᔭᓐᓇᐊᖃᕐᒥ ᐲᔭᐃᓂᐊᕐᑐᑦ ᐃᒃᑐᓂᒃ ᑕᒪᕐᒥᒃ ᐃᒃᑐᐃᑦ ᐲᔭᕐᑕᐅᓂᐊᕐᑐᑦ ᑭᓯᐊᓂ ᒐᕙᒪᒃᑯᑦ ᓄᓇᕗᒻᒥ ᐃᒃᑐᖁᑎᖏᑦ ᐱᔭᕐᑕᐅᔭᕆᐊᖏᑦᑐᑦ. ᐱᒋᐊᕐᓂᐊᕐᑐᑦ 2004-ᒥ.

8. ᓄᓇᓯᐅᑎᕈᔪᐃᑦ, ᓴᓇᕈᑎᕈᔪᐃᑦ ᐊᓯᖏᓪᓗ ᐊᑐᕈᓐᓇᕐᑐᑦ ᑕᐃᑲᓂᑦᑐᓐᓂᕐᓂᐊᕐᑐᑦ.

ᑲᓐᐳᓐᑯ-ᑯᑦ ᖃᐅᔨᓴᕐᓂᐊᕐᑐᑦ ᐊᑯᓂᒃ 7-ᓄᑦ ᐊᕙᑎᖓ ᖃᓄᐃᓕᖅᑲᓕᐊᖏᒃᑲᓗᐊᕐᒪᖔᑦ ᖃᐅᔨᓴᖃᑦᑕᕐᓗᑎᒃ. ᑲᓐᐳᓐᑯ-ᑯᓐᓗ ᖃᐅᔨᒪᑎᑦᑎᖃᑦᑕᕐᓂᐊᕐᑐᑦ Hᐊᒪᓚᒃᑯᓐᓂᒃ ᐃᒃᐱᐊᕐᔪᒃᒥ ᖃᐅᔨᓴᕐᓂᕆᓂᒃ ᑎᑎᕋᕐᓯᒪᔪᓂᒃ. ᐊᕐᑯ 7 ᐊᓂᒍᕐᐸᑕ ᖃᐅᔨᓴᖑᔪᑦ ᕿᒥᕐᕈᔭᐅᓂᐊᕐᑐᑦ ᑕᐃᑲᓂᓗ ᐊᕐᕿᒃᓯᓂᐊᕐᑐᑦ ᖃᐅᔨᓴᐃᓐᓇᓱᐊᖃᕐᒪᖔᑦ. ᑲᓐᐳᒃᑯᑦ ᖃᓄᐃᖏᓐᓂᐊᕐᓯᒪᓇᔪᑦ ᓄᓇᖓᓂᒃ ᐊᒻᒪᓗ ᓄᓇᖁᑎᖓ ᐅᑎᖅᑎᑕᐅᓗᓂ ᒐᕙᒪᒃᑯᓐᓄᑦ.

ᑲᓐᓄᓐᑯ-ᑯᑦ ᖃᐅᔨᒪᖃᑎᒌᒃᓂᐊᕐᑐᑦ Hᐊᒪᓚᒃᑯᑦ ᐃᒃᐱᐊᕐᔪᒃᒥ ᐊᒻᒪᓗ ᒐᕙᒪᒃᑯᑦ ᓄᓇᕗᑦᒥ ᐃᖅᑲᐃᔪᕐᑎᑦᑎᓇᓱᒃᖢᑎᒃ ᐃᒃᐱᐊᕐᔪᒃᒥᐅᓂᒃ ᓴᓗᒻᒪᕐᓴᐃᓕᕐᐸᑕ. ᐃᓚᖓᑦ ᐃᒃᐱᐊᕐᔪᒃᒥᐅᑦ ᖃᐅᔨᒪᒃᒪᑕ ᐅᔪᖅᓯᐅᕐᕕᒃᒥᓗ ᐃᖅᑲᐃᔪᖃᑦᑕᕐᓯᒪᓪᓗᑎᒃ ᐃᑲᔫᓐᓇᕐᑐᒃᓴᐅᓕᓪᓗᑎᒃᓗ ᐃᖅᑲᐃᔪᖃᑕᐅᓗᑎᒃ ᐱᔪᒪᒍᑎᒃ. ᐱᕕᖃᑐᐃᓐᓇᕆᐊᓕᑦ ᐅᖁᕐᑦᑐᒐᓗᐊᓂᒃ ᐃᓕᓐᓂᐊᕈᒪᔪᑦ ᐊᒻᒪᓗ ᑲᓐᓄᓐᑯ-ᑯᑦ ᐃᑲᔪᕐᓯᓂᐊᕆᕗᑦ ᐱᓕᕆᖃᑎᖃᕐᓗᑎᒃ Hᐊᒪᓚᒃᑯᓐᓂᒃ ᐃᒃᐱᐊᕐᔪᒃᒥ ᐊᒻᒪ ᒐᕙᒪᒃᑯᓐᓂᒃ ᓄᓇᕗᑦᒥ.

ᐃᒃᐱᐊᕐᔫᒃᒥᐅᑦᑕᕐᒥᒃ ᐃᖅᑲᐃᔪᕐᑐᖃᕐᕿᔪᕐᒥᔫᖅ ᒐᕙᒪᒃᑯᓐᓂᑦ ᐃᖅᑲᐃᔪᕐᑎᑕᐅᓗᓂ ᑐᓴᐅᒪᑎᑦᑎᔨᐅᔪᒥᒃ. ᑐᓴᐅᒪᑎᑦᑎᔨ ᖃᐅᔨᒪᑎᑦᑎᕙᓪᓕᐊᓗᓂ ᒐᕙᒪᒃᑯᓐᓂᒃ ᑲᓐᓄᓐᑯᒃᑯᓐᓂᒃᓗ ᐃᖅᑲᐃᔪᒃᓴᕐᑕᖃᓕᕐᖁᖓᑦ. ᐃᓕᓐᓂᐊᕐᑐᖃᕐᓂᐊᕐᖁᖓᑦ ᐅᕙᓗᓂᑦ ᐊᑭᑦᑐᕐᐅᑎᔪᖃᕐᓂᐊᕐᖁᖓ ᓂᐅᕕᐊᒃᓴᐅᔪᓂᒃ.

Executive Summary

ᐅᖃᐅᓯᒃᓴᖅᓚᓇᒃᓂᖓᑦ ᓇᐃᒃᓕᒋᐊᕐᓯᒪᔪᑦ

ᓇᓂᓯᕕᒃ ᐅᔾᔨᕐᓂᐊᕐᕕᒃ ᐱᕆᔭᐅᔪᖅ ᑲᓐᐳᓐᑯ-ᑯᓐᓂᒃ ᐱᖅᑯᑎᕆᔭᐅᕆᓪᓗᑎᒡᓗ ᐳᓚᐃᒃᕗᐊᑐᒃᑯᓐᓂᒃ. ᑕᒪᕐᒥᒃ ᑲᓐᐳᒃ-ᑯᒃ ᐱᖅᑯᑎᖃᕐᑎᖏᓐᓗ ᐳᓚᐃᒃᕗᐊᑐ-ᑯᑦ ᐱᖅᑯᑎᖃᕐᒪᑕ ᐊᐅᓚᑦᑎᓪᓗᑎᒡᓗ ᐊᓯᖏᓐᓂᒃ ᐅᔾᔨᕐᓂᐊᕐᕕᒃᓂᒃ ᑲᓇᑕᒥ ᐊᒻᒪᓗ ᓄᓇᕐᔪᐊᒥᐅᓚᒃᑐᑦ. ᑲᓐᐳᓐᑯᒃ-ᑯᑦ ᐱᖅᑯᑎᖃᕐᓯᒪᓕᖅᑐᑦ ᑕᐃᒪᖓᑦ 1996-ᒥᑦ.

ᐅᔾᔨᕐᓂᐊᕐᕕᐅᔪᖅ ᑲᓇᑕᐅᑦ ᐅᑭᐅᖅᑕᖅᑐᖓᓂ ᕿᑭᖅᑕᓗᒃᒥ. ᐅᔾᔨᕐᑕᖅᕕᐅᔪᖅ ᐊᕐᕙᑦ ᑲᖏᖅᓗᐊᑕ ᐃᓗᐊᓂᑦᑐᖅ ᓄᓇᖑᐊᑎᒍᑦ 73-ᒥᑦᑐᖅ. ᐊᕙᑎᖓ ᐅᑭᐅᖅᑕᖅᑐᒥᑦᑐᑎᑦᑐᑦ ᓂᒃᓚᔾᔪᒥᑦᓗᓂ, ᒪᓴᐅᓗᐊᖏᓪᓗᓂ, ᖁᐊᖑᐃᓐᓇᖅᓂᖅᓗᓂ ᐊᒻᒪᓗ ᐊᖏᓂᖅᓴᐅᔪᖅ ᐱᕐᑐᖅᑭᓪᓗᓂ ᓄᓇᑐᐃᓐᓇᐅᔪᖅ ᐅᔾᔨᖅᑐᖅᓗᓂ. ᑕᒪᓐᓇ ᖃᓂᒋᔭᖓ ᐅᔾᔨᕐᑕᖅᕕᐅᔪᑦ ᐱᕐᑐᖅᑯᖏᓗᐊᖅᓂᖓᓄᑦ ᐅᒪᔪᖅᑎᐊᖏᑦᑐᖅ.

ᐃᓄᐃᑦ ᓄᓇᖃᖅᑐᑦ Hᐊᒪᓛᒃᑯᑦ ᐃᒃᐱᐊᕐᔪᒃᒥ, ᐃᓄᒋᐊᒃᓂᖃᖅᑐᖅ 700-ᓂᒃ, ᐅᖓᓯᒃᓂᖃᖅᑐᖅ 25-ᑭᓚᒦᑕ-ᒥᒃ ᐊᖅᑯᑎᒃᑯᑦ ᓇᓂᓯᕕᒃᒧᑦ. ᑎᑭᑦᑐᖃᖃᖅᑐᖅ ᐅᔾᔨᕐᓯᐅᕐᕕᒃ ᐊᒻᒪᓗ ᐃᒃᐱᐊᕐᔪᒃ ᐅᓗᖃᕐᓗᓂ ᑎᑭᖃᖅᑐᖅ ᓱᐳᑦᑐᑦ ᖃᖓᑕᔫᖅ ᐃᖃᓗᒃᓂᑦ. ᐱᖅᑯᑎᑦ ᐅᓯᒃᑕᖅᑕᐅᓯᑦ ᐅᒥᐊᕐᔪᐊᒃᑯᑦ ᐅᒥᐊᕐᔪᐊᖃᖅᓴᐅᓂᖓᓂ ᐱᓇᓱᐊᕈᓯᑦ 14 ᐃᓗᐊᓂ ᐃᒪᐅᓕᖅᖓᑦ.

ᓇᓂᓯᕕᒃ ᐅᔾᔨᕐᑕᓯᕆᐊᓚᐅᖅᑐᖅ 1976-ᒥ ᐊᒻᒪᓗ ᑕᐃᒪᖓᑦ ᐅᔾᔨᕐᑕᐃᓐᓇᖅᓗᓂ ᑎᑭᓪᓗᒍ ᓯᑎᐱᕆ 2002, ᑕᕝᕙᓂᓗ ᐅᓗᖓᓂ ᒪᑐᐃᓕᓚᐅᕆᓪᓗᓂ ᐱᔪᑎᒥᓪᓗᒍ ᐅᔾᔨᕐᑕᕐᑕᐅᔭᓐᓇᖅᑐᑦ ᓴᐃᒃᓴᐃᑦ ᒥᑭᓗᐊᓕᖅᒪᑕ ᑭᓇᐅᔭᒃᓴᐅᑎᒋᓇᓱᒋᐊᖓᓂᒃ. ᓴᐃᒃᓴᐅᓂᖓ ᐅᔾᔨᕐᑕᕐᑕᓚᐅᖅᑐᖅ ᓄᓇᐅᑦ ᐃᓗᐊᓂᑦ ᐸᓚᖅᑕᖅᓗᑎᒃ ᐊᒻᒪᓗ ᓯᖃᓕᔭᐅᓪᓗᓂ ᓴ=ᕿᔭᒃᓴᖅ ᐊᒻᒪᓗ ᑯᓯᖅᓯᐊᒃᓴᖅ ᓯᖃᓕᖑᕐᑎᑕᐅᓪᓗᓂ. ᓯᖃᓪᓕᕐᑎᕖᒃ ᓴᓗᒻᒪᖅᓴᐃᕖᒃ ᐅᕝᕕᖓᓂᖅᑐᒥᒃ 2,200 ᑕᓐᓴ-ᒥᒃ ᐅᓗᕐᒧᑦ ᓯᖃᓕᑎᑦᑎᖃᑦᑕᓚᐅᖅᑐᖅ. ᐃᖃᓇᐃᔭᕐᑎᐅᒧ}ᔪᑦ ᑕᕝᕙᓂ ᐃᓂᖃᕐᓗᑎᒃ ᓄᓇᓕᖓᓂ, ᓴᓇᔭᐅᓂᑯᓪᓗᓂ ᐅᔾᔨᕐᓯᐅᕐᕕᐅᑦ ᐃᒡᓗᖁᑎᖏᓐᓄᑦ ᓴᓇᔭᐅᓕᕐᑎᓪᓗᒋᑦ. ᓄᓇᓕᖓᑕ ᐱᖅᑯᑎᕆᔭᖏᑦ ᐅᑯᐊᖑᔪᑦ ᑐᒃᓯᐊᕐᕕᒃ,ᑎᑎᕋᒃᑯᕕᒃ, ᐃᓕᓐᓂᐊᕐᕕᒃ,ᐱᖑᐊᕐᕕᒃ,ᓂᕆᔭᕐᑐᕐᕕᒃ, ᐊᖏᕐᕋᔭᐅᔪᓪᓗ. ᐅᔾᔨᕐᓯᐅᕐᕕᒃ ᐃᖃᓇᐃᔭᕐᑎᖃᖃᑦᑕᓚᐅᖅᑐᖅ 171-ᓂᒃ ᐊᐅᓚᑎᓪᓗᒍ ᒪᑐᓂᖓᓄᑦ ᑎᑭᓪᓗᓂ, ᐃᖃᓇᐃᔭᕐᑎᖃᓕᖅᑐᖅ ᐅᓄᖏᑦᑐᓂᒃ 4-ᒥᑦ 8-ᒧᑦ ᐃᓄᒋᐊᒃᑎᒋᔪᑦ ᐱᖅᑯᑎᕆᔭᐅᒧᑦ ᑲᒪᒋᔭᐅᖅᑎᐊᕿᔾᔪᓗᑎᒃ ᐊᒻᒪᓗ ᐊᕙᑎᖓᓂᒃ ᖃᐅᔨᓴᖅᐸᓪᓕᐊᓪᓗᑎᒡᓗ ᐱᔪᓐᓇᐅᑎᖓᓂ ᐃᒥᖅᒧᑦ ᐱᔭᕇᕆᐊᖅᑎᑕᐅᓂᖓ ᒪᓕᒡᓗᒍ.

ᐱᒋᐊᕐᓕᕐᑎᓪᓗᒍ ᐃᓚᖓ ᐊᑭᓕᖅᓱᖅᑕᐅᓚᐅᖅᑐᖅ ᒐᕙᒪᒃᑯᓐᓄᑦ ᓄᓇᕐᔪᐊᒥ (ᒐᕙᒪᐅᓚᐅᖅᑐᑦ) ᐃᓚᖏᓪᓗ ᐃᒡᓗᐃᑦ ᐱᖅᑯᑎᕆᔭᐅᓪᓗᑎᒃ ᒐᕙᒪᒃᑯᑦ ᓄᓇᕗᒻᒥ (ᓄᓇᕗᒻᒥ ᒐᕙᒪᐃᑦ). ᑕᒃᑯᐊ ᐱᖅᑯᑎᕆᔭᖏᑦ ᐅᑯᐊᖑᔪᑦ ᐃᓚᖏᑦ, ᑐᒃᓯᐊᕐᕕᒃ, ᐃᒪᖃᐅᑎᒃᑯᕕᖓᑦ,ᑯᕕᕐᑕᕐᕕᒃᑯᕕᖓᑦ,ᐃᒡᓗᐃᑦ, ᐊᖅᑯᑎ ᑐᓚᒃᑕᕐᕕᒻᒥᑦ ᒥᑦᑕᕐᕕᒃᒧᑦ ᐃᒃᐱᐊᕐᔪᒃᒧᓪᓗ ᐊᓯᖏᓪᓗ ᐱᖅᑯᑎᔭᖏᑦ. ᓴᓗᒻᒪᖅᓴᖅᑕᐅᓂᖏᑦ ᒐᕙᒪᒃᑯᑦ ᐱᖅᑯᑎᖏᑦ ᑲᒪᒋᔭᐅᓂᐊᖅᑐᖅ ᒐᕙᒪᒃᑯᓐᓄᑦ ᓄᓇᕗᒻᒥ.

ᑐᓚᒃᑕᕐᕕᒃ ᐱᖅᑯᑎᖏᔭᐅᓪᓗᓂ ᐃᒪᕐᒥᐅᑕᓕᓐᓂᐊᖅᑯᓐᓄᑦ. ᓴᓗᒻᒪᖅᓴᖅᑕᐅᓂᖓ ᑲᒪᒋᔭᐅᓂᐊᖅᑐᖅ ᒐᕙᒪᑐᖅᑯᓐᓄᑦ.

ᒐᕙᒪᒃᑯᑦ ᓄᓴᕗᒥ ᐊᒻᒪᓗ Hᐊᒪᓛᒃᑯᑦ ᐃᒃᐱᐊᕐᔪᒃᒥ ᐃᓄᒃᓂᒃ ᑐᓴᐅᒪᑎᑦᑎᔪᑦ ᐱᖁᔭᓕᓐᓂᒃᑲᓗᐊᕐᓗᑎᒡᓗ ᐊᑐᕐᑕᐅᖏᓐᓴᖁᔭᓪᓗᑎᒃ ᐱᖅᑯᑎᖏᓐᓂᒃ ᐃᒡᓗᖁᑎᖏᓐᓂᒡᓗ ᓴᓇᕖᑦᔪᐃᓪᓗ. ᒫᓐᓇ ᑎᑭᓪᓗᒍ ᒐᕙᒪᒃᑯᑦ ᓄᓴᕗᒥ ᒪᑦᓂᒃ ᐱᒋᐊᕐᑎᕐᑎᓯᒪᓕᖅᑐᑦ ᐱᖃᑦ ᖃᐅᔨᓴᕐᑎᑦᑎᓗᑎᒃ ᐃᓄᓯᖏᓐᓄᑦ ᐊᒻᒪᓗ ᑭᓇᐅᔭᒃᓴᖅᓂᖏᓐᓄᑦ ᖃᓄᐃᔪᑕᐅᕙᓪᓕᕐᓯᒪᓪᒪᖓᑦ ᒪᑐᔭᐅᓂᖓ ᓇᓂᓯᕖᒃ ᐊᒻᒪᓗ ᐱᖃᑦ ᓇᓗᓇᐃᕐᓯᕆᐊᕐᓗᑎᒃ ᖃᐅᔨᕆᐊᕐᓗᑎᒡᓗ ᐊᑐᕐᑕᐅᒃᑲᓐᓂᖅᑐᓂ ᑲᓄᐃᓕᖓᓪᓚᔪᕐᒪᖓᑕ ᐊᑐᕐᑕᐅᒃᑲᓐᓂᖅᒪᖔᓂᒃ. ᑲᓐᐳᓐᑯᒃ-ᑯᑦ ᑲᔪᓯᓇᐊᖅᓯᒪᑕ ᓴᓗᒻᒪᐃᓗᑎᒃ ᐊᑭᑭᓪᓚᖓᔪᒃᑯᑦ ᐃᓗᓕᖏᓐᓗ ᓇᓗᓇᐃᕐᓯᒪᕐᑎᐊᕐᓗᑎᒃ ᖃᓄᐃᓕᐅᕿᔭᕐᓯᒪᖓᑕ ᐸᕐᓇᐅᑎᓯᔭᖏᓐᓂ ᐊᔾᖃᑎᖃᐃᓐᓇᕈᓯᒪᔪᑦ ᐊᖏᖃᑎᓕᐅᖏᓐᓂᖏᓐᓂᒃ ᐊᖏᖃᑎᕐᑎᐊᕈᑎᒃ ᑭᓯᐊᓂ.

ᑲᓐᓃᒃᑯᑦ ᖁᕕᐊᓱᒃᑐᑦ ᐃᒃᑐᒃᔪᐊᖅ ᓴᓇᕕᒃ ᓂᐅᕕᐊᕆᔭᐅᔪᓐᓇᕐᓂᖓᓂᒃ ᐅᔾᔭᒃᓯᐅᕐᑎᓄᑦ ᐊᑎᖕᒍᑦ ᒍᓪᕐᑎᓐ-ᒥᒃ. ᐱᔭᐃᔪᒪᔪᑦ ᓄᑎᒃᑎᕐᑐᑎᒃᑯ ᕿᑎᕐᒥᐅᓄᑦ ᐅᔾᔭᒃᓂᐊᕐᕕᐅᔪᒧᑦ. ᓂᐅᕕᐊᖑᓂᖓ ᐃᑲᔪᑎᒃᒪᑦ ᓄᓇᕗᕐᒥᐅᓄᑦ ᐊᑐᑎᖕᒍᑦᒥᒃ ᐱᖁᑎᕐᔪᐊᕐᒥᒃ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᓂᒍ ᐅᑭᐅᕐᑕᕐᑐᒥᐅᓄᑦ. ᑲᒪᒋᔭᐅᓂᖓ ᓴᓪᒪᓴᕐᑕᐅᓂᖓᒍ ᑐᐊᐸᖓ ᓱᕐᕋᕐᑐᖕᒍᖅ ᑲᒪᒋᔭᐅᓂᐊᕐᑐᖅ ᓇᓂᓯᕕᒃᑯᓐᓄᑦ, ᐱᖁᑎᖕᑎᐅᓂᖏᓐᓄᑦ ᐱᔪᓐᓇᐅᑎᖕᓂᖏᓐᓄᑦᒍ.

ᑖᓐᓇ ᐅᓂᑲᓕᐊᕆᓯᒪᔪᖅ ᐊᑎᖕᒍᖅ ᓇᓂᓯᕕᒃᒥ 2004-ᒥ ᓴᓪᒪᓴᕐᑕᐅᓂᖓ ᐊᒻᒪ ᒪᑐᔭᐅᓂᖓᓄᑦ ᐸᕐᓇᐅᑎ, ᑲᑎᑦᑎᓯᒪᔪᑦ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᕐᓯᒪᔪᓂᒃ ᐊᕙᑎᓕᓇᔪᓂᒃ, ᐃᓗᓕᖕᓂᒃ ᖃᐅᔨᓴᕐᓗᑎᒃ, ᐃᓗᓕᖕᓂᒃᑯ ᑲᑎᒪᐅᑎᖕᒍᑎᒃ ᐊᒻᒪ ᐊᖏᕐᑕᐅᓇᓱᒃᑎᓪᓗᒋᑦ ᐅᖃᐅᓯᐅᖃᑦᑕᕐᓯᒪᔪᑦ ᐱᒋᐊᕐᓗᓂ ᕕᕗᐊᓇ 2002-ᒥᑦ ᐸᕐᓇᐅᑎᑦ ᓯᕗᓪᓕᕐᐸᑦ ᓴᕿᑕᐅᓴᕐᑎᓪᓗᒋᑦ. ᑕᐃᒪᖓᓪᓗ ᑲᓐᓃᒃᑯ-ᑯᑦ ᐱᔭᕇᕐᓯᒪᓪᓗᑎᒃ ᐊᖏᕐᑕᐅᓯᒪᓪᓗᑎᒃᑯ ᓄᓇᕗᕐᒥ ᐃᒥᓪᓚᓐᓃᒃᑯᓐᓄᑦ ᖃᐅᔨᓴᕈᒪᓪᓗᑎᒃ ᐊᑎᖕᒍᖅ ᐊᕙᑎᖓᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐱᒋᐊᕐᑕᓚᐅᕐᓯᒪᔪᖅ ᑲᒪᒋᔭᐅᓪᓗᓂ ᑲᓄᓕᒃᑯᓐᓄᑦ ᐊᒻᒪ ᐱᖕᑕ ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᐊᑎᖕᒍᖅ ᐃᓄᐃᑦ ᑎᒥᖏᓐᓄᑦ ᐅᒪᔪᓄᓪᓗ ᐊᑦᑕᕐᓇᕐᑐᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐱᒋᐊᕐᑕᐅᓯᒪᔪᖅ ᑲᒪᒋᔭᐅᓪᓗᓂᓗ ᔭᒃᓴ ᑯᐃᑦᑯᑦᑯᓐᓂᑦ.

ᑖᒃᑯᐊ ᐅᓂᑲᓕᐊᕆᓯᒪᔪᑦ ᐃᓗᓕᒃᑲᓐᓂᖏᓐᓂᒃᑯ ᑎᑎᕋᕐᑕᐅᓯᒪᓪᓗᑎᒃ ᓇᓗᓇᐃᕐᑎᐊᕐᓯᒪᓪᓗᑎᒃ ᐃᓗᓕᖕᓂᒃ ᓴᓪᒪᓴᐃᓂᕐᒧᖓᔪᓂᒃ ᐊᒻᒪ ᒪᓕᒃᓯᒪᓪᓗᑎᒃ ᐱᖁᔭᐅᔪᓂᒃ ᒪᓕᖁᔭᐅᔪᓂᒃ ᐃᒥᕐᒧᒃ ᐱᔭᓇᐅᑎᖓᓂ ᐅᖃᕐᓯᒪᔪᑦ. ᑲᑎᒪᔩᑦ ᐊᑐᕈᓐᓇᕐᑐᑦ ᑎᑎᕋᕐᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᕐᑎᑦᑎᑲᓐᓂᕋᕐᓗᑎᒃ ᐃᓗᓕᖕᓂᒃ ᐊᒻᒪ ᑖᒃᑯᐊ ᐸᕐᓇᐅᑎᑦ ᓇᒪᒃᑲᓗᐊᕐᒪᖓᑕ ᕿᒥᕈᔭᐅᓗᑎᒃ. ᐊᖏᕐᑕᐅᓇᓱᒃᓂᐊᕐᑐᑦ ᑲᓐᓃᒃᑯ-ᑯᑦ ᐸᕐᓇᐅᑎᒋᔭᕐᒥᓂᒃ ᐃᒥᓪᓚᓐᓃᒃᑯᓐᓄᑦ ᑲᔪᓯᐊᕐᑎᑕᐅᓂᐊᕐᒪᑕ ᐸᕐᓇᐅᑎᒥᑦᑐᑦ ᐊᕿᑎᐊᕐᓯᒪᔫᒃᑯᑦ ᕿᓚᒻᒥᐅᔫᒃᑯᓪᓗ.

ᖃᓐᓃᒃᑯ-ᑯᑦ ᓴᓪᒪᓴᐃᔪᒪᔪᑦ ᐊᕿᑎᐊᕐᓯᒪᔪᐊᕐᒥᒃ ᒪᓕᒃᓯᒪᔪᐊᕐᒥᒃᑯ ᐊᑐᐊᓚᐅᔪᐊᕐᒥᒃ ᐊᑎᖕᒍᑦ ᐅᔾᔭᒃᓂᐊᕐᕕᑦ ᓴᓪᒪᓴᕐᑕᐅᓂᖏᓐᓄᑦ ᐊᑐᐊᓚᖅ ᓄᓇᕗᒥ (2002) ᐊᒻᒪ ᐃᑲᔪᑎᓂᐊᕐᑐᒃᑯᑦ ᓄᓇᕗᕐᒥᐅᓄᑦ. ᑐᑭᓕᔭᐅᔪᖅ ᓴᓪᒪᓴᐃᓂᕐᒧᑦ ᒪᓕᒃᓯᒪᔪᖅ ᐊᑐᐊᓚᐅᔪᐊᕐᒥᒃ ᐅᖃᕐᓯᒪᔪᐊᕐᒥᒃ ᐃᒪᓐᓇ: ᐅᔾᔭᒃᓂᐊᕐᕕᑦ ᐊᐅᓚᑦᑎᓐᓄᑦ ᐃᓄᒃᓄᓪᓗ ᐊᑦᑕᕐᓇᕐᑕᐃᓕᒪᓗᑎᒃ

ᓴᓪᒪᓴᐃᓂᖓᑦ ᐊᑐᕐᓂᐊᕐᑐᑦ ᐊᐅᓚᑎᖓᓂᕐᑐᓂᑦ ᐅᔾᔭᒃᓂᒃ ᑐᐊᐸᒃᓂᒃᑯ ᐊᑦᑕᕐᓇᕐᑐᓂᕐᓴᐅᕐᑯᓪᓗᒍ ᐊᒻᒪ ᐊᑯᓂᐅᔪᒧᑦ ᒪᑐᓯᒪᐃᓐᓇᕐᓂᐊᕐᒪᑦ. ᓴᓪᒪᓴᐃᔪᑎᕕᓂᑦ ᐃᒥᕐᒧᑯᐃᑦ ᐊᒻᒪ ᓄᓇᐅᑦ ᐃᓗᐊᓂᖓᕐᓂᑯᐃᑦ ᐅᔾᔨᑐᐃᓐᓇᐃᑦ ᓄᓇᐅᑦ ᐃᓗᐊᓄᐊᖅᑲᕐᑕᐅᓂᐊᕐᑐᑦ ᖁᐊᖑᐃᓐᓇᕐᑐᒧᑦ ᐅᕙᓗᓂᑦ ᓴᐅᔭᐅᓗᑎᒃ ᖁᐊᖑᐃᓐᓇᕐᑐᒥᓪᓗᑎᒃ. ᑕᐃᒪᓐᓇᑦᑕᐅᕐ ᐱᔭᐅᓂᐊᕐᒥᔪᖅ ᐊᒃᑕᕕᒃ. ᖁᐊᖑᐃᓐᓇᕐᓂᖓᓄᑦ ᓄᓇᐅᑦ ᖃᖓᓄᐊᕐᖃᑦᑕᒫᐊᖏᓪᒪᑦ ᓱᕐᕋᕐᑐᖃᕐᑐᖅᑦ ᐃᒥᖅ. ᖃᒃᑲᓂᐊᒍᑦ ᖃᓕᕐᓯᓂᖓᑦ ᐃᓱᒪᒋᔭᐅᓪᓗᓂ ᐅᖁᓯᐅᓪᓕᐊᓚᔭᕐᓂᖓ.

ᓴᓪᒪᓴᐃᓂᖓ ᐃᓱᒪᒋᔭᐅᔪᖅ ᐱᔭᓇᕐᔭᕐᓱᒋᔭᐅᓪᓗᓂ ᐊᕐᕋᒍᓄᑦ ᒪᕐᕉᓂ 2004 ᐊᒻᒪ 2005. ᕿᓚᒻᒥᐅᓂᖅᓴᐅᑐᐃᓐᓇᓇᐊᓕᑦ, ᐊᒻᒪ ᕿᓕᒥᐅᓂᖅᓴᒃᑯᕐᓱᒃᓂᐊᕐᑐᑦ ᐊᔭᕐᓇᕐᖕᒃᑲᖓᑦ. ᐊᑐᓂᖓᔪᑦ ᑎᑎᕋᕐᓯᒪᓪᓗᑎᒃ ᐃᓗᓕᖕᓂᒃ ᖃᓄᐃᓕᐅᕐᓂᐊᕐᓂᖕᓂᒃ ᑕᒫᖓ ᐃᓚᖃᓯᐅᑎᔪᑦ ᒪᑐᔭᐅᓂᖓᓄᑦ ᐊᑐᓂ ᖃᓄᐃᑦᑐᓂᐊᕐᑐᑦ ᓱᕐᓗ ᑯᕕᕐᑕᕕᒃ ᖃᓄᕐ ᓴᓪᒪᓴᕐᑕᐅᓂᐊᕐᒪᖓᑦ ᐊᒃᑕᕕᒃᓗ ᖃᓄᕐ ᓴᓪᒪᓴᕐᑕᐅᓂᐊᕐᒪᖓᑦ. ᐱᓗᐊᕐᓂᕆᔭᖏᑦ 2004-ᒥ ᐊᒻ 2005-ᒥ ᐅᑯᐊᖑᔪᑦ:

1. ᑐᐊᐸᒃᒥᒃ ᕿᕐᓂᑦᑕᒥᒃ ᐃᔨᓂᖅᑯᓂ 1.0 ᒥᑦ ᐃᔨᑎᖕᒍᖅ ᐃᓕᔭᐅᓗᓂ ᖃᖓᓄᑦ ᑯᕕᑦᑕᕕᐅᑦ ᐊᒻᒪ ᑲᒃᑲᓂᐊᒍᑦ ᐃᓕᓇᔭᐅᓗᓂ 0.25 ᒥᑦ ᐃᔨᓂᖅᑯᑦ ᑐᐊᐸᑐᐃᓐᓇᕐ ᓯᐅᕐᓗ, ᓴᐃᔭᐅᒍᓂ ᖁᐊᖑᐃᓐᓇᓕᕐᓂᐊᕐᒪᑦ ᐊᒻᒪ ᑲᒃᑲᓂᖓ ᐅᖁᓯᐅᓪᓕᐊᓚᐅᕐᑎᓪᓗᒍ ᓯᓚ ᖃᓄᐃᖕᓇᕐᔪᖅ.

2. ᐃᒥᐊᓂᖓ 1 ᒥᑕᐅᓗᓂ ᐃᒪᓄᑦ ᑯᕕᔭᐅᖃᑦᑕᕐᓯᒪᔪᖅ ᑕᓯᓕᐊᕆᓯᒪᔪᒧᑦ ᐃᒥᐅᓂᖃᐃᓐᓇᕐᑎᑕᐅᓂᐊᕐᑐᖅ ᖃᖓᓂ.

3. ᓴᓇᔭᐅᓗᓂ ᑯᓕᐅᕐᑕᐅᓗᓂ ᐃᒥᕈᔦᒃ ᑯᕕᕐᑕᕐᕕᕕᓂᕐᒧᑦ ᑯᕕᑎᑕᐅᑦᑕᐃᓕᒪᓗᓂ ᐃᓗᐊᓄᑦ ᐊᕙᑕᒍᑦ ᑯᓕᐅᕐᑕᐅᓗᓂ.

4. ᐅᔭᕋᐃᓐᓇᐃᑦ ᓄᓇᐅᑦ ᐃᓗᐊᓂᖓᕐᓯᒪᔪᑦ ᐃᓗᐊᓄᐊᕐᖃᕐᑕᐅᓗᑎᒃ ᐅᔭᓗᓂᑦ ᓴᐅᔭᐅᓗᑎᒃ

5. ᖃᐃᖃᒃᓴᕐᑕᐅᓗᓂ ᒪᓂᕋᖓ ᖃᓕᕐᑕᐅᓗᓂᓗ ᕿᕐᓂᕐᑕᒥᒃ ᑐᐊᐸᒃᒥᒃ ᐅᔭᕋᒃᑕᕐᕕᐅᖃᑦᑕᕐᓂᑯᐃᑦ ᐃᓗᕐᑐᕐᓯᒪᔪᑦ ᐃᔪᓂᖃᕐᑐᒥᒃ 1.95-ᒥᑕᒥᒃ ᕿᕐᓂᕐᑕᒥᒃ ᐊᒻᒪᓗ 0.25-ᒥᑕ ᓯᐅᕋᕐᒥᒃ ᑲᒃᑲᓐᓂᖓᓄᐊᕐᓯᓗᑎᒃ ᑕᒃᑯᐊ ᓄᓇᒥᖓᕐᓯᒪᔪᑦ ᐅᔭᕋᐃᓐᓇᐃᑦ ᕐᑯᐊᖑᐃᓐᓇᕐᑐᒥᕐᑎᑕᐅᓗᑎᒃ ᓴᐅᔭᐅᓗᑎᒃ.

6. ᖃᓕᕐᓯᓗᑎᒃ ᐃᔪᓂᖃᕐᑐᒥᒃ 1.95-ᒥᑕ ᐃᔪᓂᖃᕐᑐᒥᒃ ᕿᕐᓂᕐᑕᒥᒃ ᑐᐊᐸᒃᒥᒃ ᐊᒻᒪ 0.25-ᒥᑕᒥᒃ ᐃᔪᓂᖃᕐᑐᖅ ᓯᐅᕋᕐᒥᒃ ᖃᒃᑲᓐᓂᕆᓗᓂᐅᒃ ᐊᒃᑕᕐᕕᕕᓂᕐᒧᑦ

7. ᐱᔭᕐᑕᐅᓗᓂ ᓴᓇᕕᑦ ᐃᓄᒃᓄᓪᓗ ᐃᒃᓗᒋᔭᐅᔦᕕᓂᑦ ᐊᑐᕈᓐᓇᕐᑐᓪᓗ ᓂᐅᕈᑕᐅᔦᓐᓇᕐᐸᑕ ᓂᐅᕈᑕᐅᓗᑎᒃ ᓴᓂᐅᓂᖏᑦ ᓄᓇᐅᑦ ᓂᐅᕈᑕᐅᖏᑦᑐᑦ ᐊᐅᓚᕐᑎᑕᐅᓂᐊᕐᑐᑦ ᐃᓗᐊᓄᐊᖃᕐᑕᐅᓗᑎᒃ.

8. ᐸᑦᑕᕐᓴᖏᑦᑐᑦ ᐱᕐᑯᑎᕕᓂᑦ ᓱᕈᕐᓇᕐᑐᖃᖏᑦᑐᑦ ᓴᓂᕈᔦᐃᓪᓗ ᓄᓇᐅᑦ ᐃᓗᐊᓄᐊᕐᖃᕐᑕᐅᓗᑎᒃ.

9. ᑐᐊᐸᐃᑦ ᐅᕐᓱᐊᓗᕈᔦᖃᕐᑐᑦ ᐱᔭᕐᑕᐅᓗᑎᒃᓗᓐᓂᑦ ᐅᕙᓗᓂᑦ ᓴᐅᔭᐅᓗᑎᒃ ᐅᔭᓗᓂᑦ ᓄᓇᐅᑦ ᐃᓗᐊᓄᐊᕐᖃᕐᑕᐅᓗᑎᒃ

10. ᖃᐅᔨᓴᐅᑎᓂᒃ ᐃᒃᓕᕆᒃᓯᓗᑎᒃ ᒪᓂᕆᐅᑦ ᐅᕐᑯᓂᖓᓂᒃ ᖃᐅᔨᓴᐅᑕᐅᓂᐊᕐᑐᓂᒃ ᖃᓄᑎᒋᓗ ᐊᐅᒃᐸᓪᓕᐊᑎᒋᒃᒪᖔᑦ ᖃᐅᔨᓴᐅᑎᑦ

11. ᐊᕙᑎᖓ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᕐᓗᓂ ᐊᑯᓂᐅᔪᒧᑦ ᑕᐃᒪᐃᖏᓐᓇᕐᓂᐊᕐᒪᖔᑦ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᕐᓗᓂ.

ᖃᐅᔨᓴᕐᑕᐅᓯᒪᓂᐊᕐᑐᖅ ᐊᕋᒍᓄᑦ 7-ᓄᑦ (ᒪᕈᒃ ᐊᕋᒍᒃ ᓴᓗᒻᒪᖕᓴᐃᓗᑎᒃ ᐊᒻᒪᓗ ᐊᕋᒍ ᑕᓪᓕᒪᑦ ᖃᐅᔨᓴᕐᓗᑎᒃ) ᐃᒋᐊᕐᓗᓂ 2004-ᒥᑦ 2010-ᒧᑦ. ᐱᖁᓯᐅᑎᓗᒋᑦ ᐃᒥᐅᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᖓ, ᒪᓂᕆᐅᑦ ᐅᕐᑯᓂᖓ, ᐃᓗᐊᓗ ᓴᐅᔭᐅᓯᒪᔪᖅ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᕐᓗᓂ ᐅᕐᕐᑯᓂᖓ. Hᒃᑯᐊᓗ ᖃᐅᔨᓴᐅᑕᐅᔪᑦ ᐊᐅᓚᕐᑎᑕᐅᖃᑦᑕᕐᓗᑎᒃ ᓄᓇᕗᒥ ᐃᒥᓕᕆᔨᒃᑯᓐᓄᑦ ᑕᕿᑦ ᐱᖓᓱᑦ ᐊᓂᒍᕐᖓᑕ, ᐊᒻᒪᓗ ᐊᕋᒍᑕᒪᑦ ᓴᓇᒃᑲᓐᓂᕆᐊᓕᓪᓗ ᐱᔭᕆᕐᑕᐅᓗᑎᒃ. ᐊᕋᒍ 7 ᐊᓂᒍᕐᐸᑕ ᕿᒥᕈᔭᐅᓂᐊᕐᑐᖅ ᑕᒪᓐᓇ ᓴᓗᒻᒪᖕᓴᕐᑕᐅᓯᒪᔪᖅ ᖃᓄᐃᓕᕇᓕᐊᖏᒃᑲᓗᐊᕐᒪᖔᑦ. ᕿᒥᕈᔭᐅᓂᖓ ᖃᓄᐃᓕᖓᓗᔭᕐᒪᖔᑦ ᑎᑎᕋᕐᑕᐅᓯᒪᓗᓂ ᑐᓂᔭᐅᓂᐊᕐᑐᖅ ᒪᔨ 2007-ᒥ. ᑕᐃᑲᓂᓗ , ᖃᐅᔨᓂᐊᕐᑐᑦ ᖃᐅᔨᓴᐃᓇᕆᐊᖃᕐᒪᖔᑦ ᐅᕙᓗᓂᑦ ᓄᓇᖓ ᑐᓂᔭᐅᔦᓐᓇᕐᓯᒃᒪᖔᑦ ᒐᕙᒪᒃᑯᓐᓄᑦ

Reclamation Cover Design

1.1 G.4 - ᖃᖓ ᖃᓄᐃᓕᖓᓂᐊᕐᓂᖓ

1.1.1 ᓇᐃᒃᓕᒋᐊᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᒥ NWB1NAN0208 ᑐᓂᔭᐅᓯᒪᔪᖅ ᓄᓇᕗᒥ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔩᖏᓐᓄᕐ, ᑲᓐᔩᓐᑯ-ᑯᑦ ᐱᕆᑎᖃᕐᑐᑦ ᓇᓂᓯᕕᒃᒥ ᑲᒪᒋᔭᖃᕐᒪᑕ ᓴᓗᒻᒪᖕᓴᕐᑕᐅᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᑕᐅᓂᖓᓂᒃᓗ ᐊᕿᒃᓯᐃᓗᑎᒃᓗ ᐸᕐᓇᐅᑎᐅᔦᒥᒃ ᐊᖏᕐᑕᐅᓇᓱᒃᓂᐊᕐᑐᒥᒃ.

ᓇᓂᓯᕕᒃᒥ 2004-ᒥ ᓴᓗᕆᖕᓴᐃᓂᕐᔪᑦ ᐸᕐᓇᐅᑎ ᐊᕿᒃᑕᐅᓯᒪᔪᕐ ᐱᖁᔭᐅᓂᖓ ᒪᓕᒃᓗᒍ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖏᓂ ᐊᐅᓂᓗ ᖃᓄᐃᑕᐅᓂᐊᕐᓂᖏᓐᓂᒃ ᑎᑎᖅᓯᒪᓪᓗᑎᒃ ᐊᐅᖅᑕᐅᓂᐊᖅᑐᑦ. ᑖᓐᓇ ᑎᑎᕋᖅᑕᐅᔪᖅ ᐱᖁᔭᐅᓯᒪᓂᖓ ᒪᓕᒃᓗᒍ ᐃᓚᖏᓂ 4 ᓴᓗᕆᖕᓴᐃᓂᕐᔪᑦ ᖃᖓᑕ ᓴᓇᓯᒪᓂᖓ.

ᑎᑎᕋᖅᓯᒪᔪᕐ ᐱᓇᓱᐊᖅᑕᐅᓂᖓ ᒪᓕᒃᓗᒍ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖏᓂ ᖃᖓ ᖃᓄᐃᓕᖓᓂᐊᕐᒪᖔᑦ ᐃᓗᓕᖅᑐᖅ ᐅᑯᓂᖓ

1. ᖃᓕᕐᓯᕗᑎᖅᑕᐅᓂᐊᕐᒪᖔᑕ ᖃᓄᐃᑦᑐᒥᒃ ᑐᐊᑉᒥᒃ ᑎᑎᕋᖅᓯᒪᔪᖅ
2. ᖃᐅᔨᓴᖅᑕᕐᓗᑎᒃ ᖃᐅᔨᓴᐅᑎᒋᖅᑕᖅᑕᕐᓯᒪᔪᑦ ᖃᖓ ᑐᐊᑉ, ᐅᔾᔮᐃᓐᓇᐃᓪᓗ ᐊᒃᑕᕐᕕᒃᒥᖑᕐᑐᓪᓗ
3. ᐸᕐᓇᐅᑎᓂᒃ ᖃᓄᐃᓕᖓᓗᐅᕆᖓᑦ ᖃᓄᐃᓕᖓᓂᐊᕐᒪᖓᓪᓗ ᖃᓕᕐᑕᐅᓯᒪᓕᕈᓂ
4. ᖃᐅᔨᓴᕐᓯᒪᓗᑎᒃ ᖃᖓᓂᕐᑐᕐ ᑐᐊᑉ ᖃᓄᐃᑲᔪᕆᖓᑦ ᐊᕐᒍᑦ 1-ᒥᑦ 100-ᒧᑦ ᐅᖁᓯᕚᓪᓕᐊᓂᖓ ᒪᓕᒃᓗᒍ.
5. ᖃᖓᓄᐊᕐᓂᐊᕐᑐᑦ ᑐᐊᑉ ᐱᑕᖃᕋᓗᐊᕐᒪᖓᑦ ᖃᓂᒋᔭᓂᑦ ᓇᑭᖓᕐᓂᐊᕐᒪᖓᓪᓗ
6. ᐱᑎᓂᖓ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓪᓗᓂ ᑯᕕᖅᑕᕐᕕᐅᔪᖅ ᐃᒥᕐᒧᑦ ᑯᕕᔭᐅᖃᑦᑕᕐᓯᒪᔪᖅ ᐃᑎᓂᖅᑐᒥ 1.0-ᒥᑦ ᑭᒃᓕᖓᓗ ᒪᓕᒃᒧᑦ ᓱᕐᔭᐃᔭᕐᑕᐅᓗᓂ.
7. ᐱᐅᑎᕆᓂᖓ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓗᓂ ᕿᓚᒻᒥᐅᔫᑯᑦ ᐊᑯᓂᐅᔪᒥᓪᓗ
8. ᓇᓗᓇᐃᕐᓯᒪᔪᒥᒃ ᐃᔪᓂᕆᔭᕆᐊᖅᑕᖓᓂᒃ ᓂᒃᓚᔅᓂᖓ ᐅᖁᓯᕚᓪᓕᐊᓂᖓᓗ ᒪᒃᓕᓗᒍ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᑦ ᐅᖁᓯᕚᓪᓕᐊᓂᖓᓄᑦ ᒪᓕᒃᓗᒍ.
9. ᖃᐅᔨᓴᕐᓗᑎᒃ ᐃᒪᖃᖑᓂᖕᖓᐅᔫᓐᓇᕐᑐᒥᒃ ᑯᕕᖅᑕᕐᕕᐅᑦ ᐃᒪᖓᓂᒃ ᐊᒻᒪᓗ ᖃᐅᔨᓴᐃᓐᓇᕐᓗᑎᒃ ᐃᒥᐅᑦ ᐱᐅᓂᖓ ᑕᐃᒪᐃᖑᓐᓇᕐᓂᐊᕐᒪᖓᑦ ᒪᓕᒃᒧᓪᓗ ᓱᖅᑎᕚᓪᓕᐊᕗᐊᖑᒃᑲᓗᐊᕐᒪᖓᑦ ᐅᕙᓗᓂ ᖁᐊᖃᑦᑕᕐᓗᓂ ᖃᓄᐃᔪᖅᑕᐅᓂᐊᕐᒪᖓᑦ.
10. ᖃᐅᔨᓴᕐᓗᑎᒃ ᖃᖓᑕ ᐃᔪᓂᖓ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᑦ ᐃᔪᓂᖓ ᒪᓕᒃᑕᐅᓗᑎᒃ

ᓇᐃᒃᓕᒋᐊᕐᓗᒍ ᐃᒪᐃᓕᖓᔪᖅ, ᑖᓐᓇ ᖃᓄᓂᐊᖅᑕᖓ ᑐᐊᑉ ᑎᑎᕋᖅᓯᒪᔪᓂᒃ ᐃᓗᓕᖃᐅᔾᔪᓂᒃ ᐊᕿᒃᓯᒪᓂᖓᓂᒃ ᐅᑯᓂᖓᓗ:

- ᕿᒥᕈᔭᐅᓗᑎᒃ ᖃᓇᔭᐅᓂᐊᕐᑐᑦ ᑐᐊᐸᐃᑦ ᑯᕕᖅᑕᕐᕕᒃᒧᑦ,ᐅᔭᕆᒃᑕᕐᓂᑯᕕᓂᕐᓄᑦ ᐊᒻᒪᓗ ᐊᒃᑕᕐᕕᒃᒧᑦ ᖃᓇᓂᐊᕐᑐᖅ
- ᐱᔪᑎᖓ ᖃᓄᐃᒻᒪᑦ ᓂᕈᐊᖅᑕᐅᒃᒪᖓᑦ ᑐᐊᑉ ᖃᓇᓂᐊᖅᑕᖓ ᐃᔪᓂᓇᓂᐊᖅᑕᖓᓗ
- ᖃᓪᓕᕐᐸᖑᓂᐊᖅᑐᖅ ᑐᐊᑉ ᒪᓂᖅᖃᒃᓴᖅᑕᐅᓗᓂ
- ᖃᐅᔮᖅᑕᐅᖑᓐᓇᕐᓗᓂ ᖃᓇᔭᖓ ᖃᓄᐃᓕᕚᓪᓕᐊᖑᒃᑲᓗᐊᕐᒪᖓᑦ
- ᖃᓄᕐᑐᕈᑎᒃᓴᒃᑳᓂᑦ ᐸᕐᓇᐅᑎᒋᔭᖓᑦ ᑐᐊᐸᐅᑦ ᖃᖓ ᖃᓄᐃᓕᑲᓚᒃᑐᕕᓂᐅᒃᐸᑦ ᓂᓇᐅᓇᖑᑦᑐᒃᑯᑦ.

ᐸᕿᒃᓯᖅᑕᐅᓗᓂ ᖃᓄᐃᓕᖓᓂᐊᕐᒪᖓᑦ ᑐᐊᑉ ᐃᓱᒪᒋᔭᐅᓚᐅᖅᑐᖅ ᓴᐅᔭᓇᐊᖅᑕᕐᓂᖓᓂᒃ ᐅᔾᔮᐃᓐᓇᖅ ᒪᖑᖅᑐᕿᔭᕐᑐᖅ ᐊᒃᑕᕐᕕᒃᓗ ᓴᐅᔭᐅᒍᑎᒃ ᖁᐊᖑᓂᖓᓄᑦ ᑎᑭᐅᒪᓚᔪᕆᓪᓚᑦ ᖁᐊᖑᐃᓐᓇᖅᔪᖅᑐᑦ, ᐊᐅᒃᐸᓪᓕᐊᓚᔪᖓᓗᓂᓗ . ᖁᐊᖑᓂᖓ ᖁᐊᖑᐃᓐᓇᓕᕈᓂ ᐊᓂᕚᓪᓕᐊᓚᔪᖑᖅᑐᖅ. ᓯᐅᖅᒧᓪᓗ ᖃᓕᕐᑕᐅᒃᑳᓂᕈᓂ ᒪᖑᖅᑐᓇᔭᓐᓂᖓ ᓴᕿᔭᕆᓐᓂᕈᓂ ᒪᖑᖅᑐᓇᕚᓪᓕᐊᓚᔪᖑᓪᒪᑦ. ᓯᐅᖅ ᖁᐊᖑᐃᓐᓇᕐᑎᑦᑎᔫᓐᓇᖅᑐᖅ ᐱᑕᖃᐅᕐᓗᓂᓗ ᓇᓂᓯᐅᕕ ᖃᓂᒋᔭᖓ.

ᐅᔭᕆᒃᑕᕐᕕᐅᔪᖅ ᖁᐊᖑᐃᓐᓇᖅᑐᒥᑦᑐᖅ, ᓂᒃᓚᓯᓚᖓ -15. ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᕐᓯᒪᔪᑦ ᓂᒃᓚᔅᓂᖓᓂᒃ ᐊᐅᖅᑕᓚᐅᖅᑐᑦ ᐊᕿᒃᓯᔪᖅᑕᐅᓪᓗᑎᒃ ᐊᕐᒍᓄᑦ 100-ᓄᑦ ᐅᖁᓚᖑᓂᖃᑦᑕᖅᑕᖓ ᒪᓕᒃᑕᐅᓪᓗᓂ *13. ᐅᖁᓯᕚᓪᓕᐊᓂᖓ ᓄᓇᕐᔪᐊᑦ ᐃᓱᒪᒋᔭᐅᓯᒪᒃᒪᑦ ᐅᖁᓯᕚᓪᓕᕐᓂᐊᕐᓱᕆᔭᐅᓪᓗᓂ 2.8*ᒥᒃ ᐊᒻᒪᓗ 5.0-ᒥᒃ ᐅᖁᓚᖑᓗᓂ, ᐊᕙᑎᓕᓇᕈᒃᑯᑦ ᑲᓇᑕᒥ ᐅᖃᖅᓯᒪᔪᖓᑦ.

ᐸᕆᖕᖏᑦᑐᑦ ᖃᓄᒧᓐᓇᖅᑕᖏᑦ ᕿᒥᕈᔭᐅᓚᐅᖅᑐᑦ, ᒪᓴᐅᖏᓐᓇᖅᑎᑕᐅᓗᓂᓗ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᓇᓪᓗᓂ ᐅᕙᓗᓂᑦ ᐸᓂᖅᑐᒥᓪᓗᓂ. ᐸᓂᖅᑐᒥᒃ ᖃᓕᕐᓂᐊᕈᓂ ᐱᑕᖃᐅᕐᓂᖏᓪᓗ ᓇᒥᒪᖓᑕ ᖃᐅᔨᔭᐅᓪᓗᑎᒃ ᑐᐊᑉᑕᕐᕕᐅᔫᓇᖅᑐᑦ, ᒪᕋᒥᒃᓗ, ᓯᐅᕋᒥᒃᓗ ᕿᕐᓂᖅᑕᒥᒃᓗ ᑐᐊᑉᒥᒃ ᐱᑕᖃᐅᖅᑐᖅ ᖃᓂᒋᔭᓂ. ᐸᓂᖅᑐᒥᒃ ᖃᓕᕐᑕᐅᔪᒪᓪᓗᓂ ᐊᖏᖃᑎᒋᒃᓯᒪᔫᑦ ᐱᔪᑎᖃᕐᓗᑎᒃ ᐅᑯᓂᖓ

- ᐱᑕᖃᐅᖅᓂᖓᓄᑦ: ᕿᓂᖅᑕᖅ ᑐᐊᐸ ᓇᒪᒃᒪᑦ ᐊᖏᓂᖓ ᐱᑕᖃᖅᓂᖓ ᖃᓂᒋᔭᓂᑦᑐᖅ.
- ᓇᓇᔭᒃᓴᐅᓂᖓᓄᑦ: ᕿᓂᖅᑕᖅ ᑐᐊᐸ ᐊᑐᖅᑕᐅᖏᓐᓇᖃᑦᑕᖅᓯᒪᒃᒪᑦ ᐅᔭᖅᓯᐅᖅᑎᓪᓗᒥᑦ ᐊᕿᒡᒋᑦᑐᓄᑦ ᑐᐊᐸᖃᕆᐊᓪᓚᒃᓄᑦ ᐃᖃᓇᐃᔭᖅᑎᓪᓗ ᖃᐅᔨᒪᒃᒪᑕ ᖃᓄᖅ ᐱᐅᑎᒋᓂᖓᓂᒃ ᐊᑐᖅᑕᐅᕙᓐᓇᖅᓂᖓᓂᒃᓗ.
- ᓱᕈᓐᓇᑐᖃᖏᓐᓂᖓᓄᑦ: ᓱᕈᓐᓇᑐᖃᖅᓂᖑᓗᐊᖏᑦ ᐅᕝᕙᐃᑦ ᐃᓴᐅᑎᒐᔭᖏᒪᑕ ᑐᐊᐸᒃᑯᑦ.
- ᐊᖏᓂᖏᑦ ᓯᐅᖑᐅᓂᖓᑕ ᓇᒪᒃᒪᑕ ᓴᐅᓯᕙᑎᒥᓇᓱᒃᓗᒍ ᓯᖃᓪᓗᐅᓂᖓ ᐊᖏᓂᖏᑦ ᓇᒪᒃᒪᑕ.

ᓯᐅᖅ ᑲᖓᓄᐊᕐᓂᐊᖅᑐᖅ ᑐᐊᐸᐅᑦ ᕿᖅᓂᖅᑕᐅᑦ ᑲᖓᓄᐊᕐᓂᐊᖅᑐᖅ ᓯᐅᖅ ᐃᒪᖃᖏᕙᑎᒥᓂᐊᕐᒪᑦ. ᓯᐅᖅ ᓂᕈᐊᖅᑕᐅᓪᓚᐅᖅᑐᖅ ᐅᑯᓂᖓ ᐱᕙᑎᖃᖅᓗᑎᒃ.

- ᐊᑯᓂᐅᕙᓐᓇᖅᓂᖓ: ᓯᐅᖅ ᑎᓯᕙᓂᒃ ᐊᓕᒍᓚᖃᖅᓂᖓᓄᑦ ᓄᖑᑉᐸᓪᓕᐊᒃᑲᐅᑎᒋᖏᒻᒪᑦ ᓯᓚᒎᓪᓗ ᓱᖃᒃᐸᓪᓕᐊᖏᓐᓗᓂ.
- ᐱᑕᖃᖅᓂᖓ: ᐊᖏᓇᖅᑐᓂ ᐱᑕᖃᐅᖅᑐᖅ ᖃᓂᒋᔭᓂ
- ᕿᓂᖏᓐᓂᖓ: ᖃᑭᕙᒃᓂᖓ ᐊᑲᐅᓇᕐᓯᒪᕙ ᓯᕿᓂᐅᑦ ᖃᐅᒪᓂᖓᓂᒃ ᐃᓵᒃᑕᖏᓐᓂᖅᓴᐅᓂᖓᓄᑦ.

Hᒃᑯᐊ ᑎᑎᕋᕐᓯᒪᕙᑦ ᓇᓗᓇᐃᖅᑎᐊᕐᓯᒪᕙᑦ ᐃᓗᓕᖏᓐᓂᒃ ᐅᔭᖅᐅᓂᖓᓂᒃ ᑐᐊᐸᐅᑦ ᑲᖓᓄᐊᕐᓂᐊᖅᑐᖅ, ᖃᓄᑎᒎ ᐊᖏᑎᒋᒻᒪᖓᑕ ᓯᐅᖅᐅᓂᖏᑦ, ᑎᓯᒃᑎᓴᖅᑕᐅᓯᒪᓗᓂᓗ, ᒪᓴᐅᓂᑲᖅᓂᖓᓗ, ᐊᑯᓂᐅᕙᓐᓇᖅᓂᖓᓗ. ᕿᖅᓂᖅᑕᐅᑦ ᑐᐊᐸᐅᑦ ᐃᓗᓕᖏᑦ ᖃᓄᐃᑦᑐᓂᖏᑦ ᖃᐅᔨᓴᖅᑕᐅᓪᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓪᓗᑎᒃ ᒪᒋᖅᑐᕆᔭᕐᓕᐊᔭᕐᓂᖓ ᓄᖃᖓᑎᑦᑎᒐᔭᕐᒪᖓᑦ ᓱᕈᓐᓇᖅᑐᓂᖏᓐᓂᒃ. ᖃᐅᔨᓴᖅᒥᒃ ᑐᑭᓯᓪᓚᐅᖅᑐᑦ ᓱᕈᓐᓇᖅᑐᓂᖓᓂᒃ ᐃᓴᐅᑎᕝᕙᓕᐊᓂᖓᓂᒃ. ᒪᓴᐅᓂᖓᓂᒃᓗ ᖃᐅᔨᓴᖃᑦᑕᖅᓯᒪᓪᓗᑎᒃ ᐱᓴᓱᐊᕈᓯᕐᓄᑦ 37-ᓄᑦ, ᖃᐅᔨᓇᓱᒃᓗᑎᒃ ᐃᓴᐅᑎᕝᕙᓕᐊᕙᑦ ᓴᕿᕙᓪᓕᐊᓚᔪᒻᒪᖓᑦ, ᖃᐅᔨᓪᓚᐅᖅᑐᖅ ᓴᕿᕙᓪᓕᐊᖏᓐᓂᖓᓂᒃ ᓴᐅᔨᐅᓯᒪᓕᖅᑎᓪᓗᒍ.

ᖃᓄᓂᐊᖅᑕᖓ ᑐᐊᐸ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᒃᒪᑦ ᖃᐅᔨᓴᖅᐱᐅᕙᒥ, ᐅᖅᑯᓂᖓᓂᒃ ᖃᐅᔨᓴᖅᐱᒃᒥ, ᓴᓇᕝᕕᐅᕙᑦ 14 ᖃᓂᒋᔭᓂ. ᖃᓄᔪᐅᓂᐊᖅᑐᑦ ᖃᓄᐃᑐᓂᖏᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓕᐃᓐᓇᖅᑐᑦ ᑳᐦᐃᒃ-ᑰᓐᓂᑦ ᑕᐃᒪᖓᑦ 1989-ᒥᑦ. ᑖᓐᓇᒪᑦ ᖃᐅᔨᓴᖅᐱᐅᓪᓚᐅᖅᑐᑦ ᐊᕿᒡᒋᕐᑐᓂᒃ ᖃᓕᖅᓯᒪᐅᖅᓗᑎᒃ ᐃᕙᓂᖃᖅᓗᑎᒃ 2-ᒥᑕᒥᒃ. ᖃᐅᔨᓴᖅᑕᐅᓪᓗᓂ ᐊᐅᒃᐸᓪᓕᐊᖃᑦᑕᖅᓂᖓ ᐊᕿᒍᑕᒪᒃ ᐊᐅᓚᓂᖓ ᑕᕝᕗᖓᖅᐸᓪᓕᐊᓪᓗᓂ ᖁᐊᖑᓂᖓ ᖁᐊᖑᖅᐸᓪᓕᐊᕙ ᑲᖓᓄᐊᖅᐸᓪᓕᐊᕙ. ᖁᐊᖅᐸᓪᓕᐊᓂᖓ ᖃᐅᔨᓴᖅᑕᐅᓪᓗᓂ ᑐᑭᓯᓪᓚᐅᖅᑐᑦ ᐃᓗᒻᒧᑦ ᖁᐊᖅᐸᓪᓕᐊᓂᖓᓂᒃ ᓴᐅᔨᐅᓯᒪᓕᖅᑎᓪᓗᒍ. ᐊᒻᒪᓗ ᖃᐅᔨᓴᖅᑕᐅᕙᒥ ᖃᓄᔪᖓ ᓇᓗᓇᕈᓐᓂᓪᓚᐅᖅᑐᖅ ᐃᓴᐅᑎᕝᕙᓕᐊᕙᓗᐊ ᖁᐊᖅᐸᓪᓕᐊᓂᖓᓂᒃ. ᒪᓴᕙᒃ ᑐᐊᐸ ᖁᐊᖅᐸᓪᓕᐊᓗᓂ ᐃᓴᐅᑎᕙᓂᖅᐸᓪᓕᐊᓪᓚᕙ.

ᐅᖅᑯᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᖃᖓᓂᒃ ᑐᐊᐸᒥᒃ ᐊᕿᒡᒋᕐᑐᒥᒃ ᐃᕙᓂᓕᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᐅᓚᓂᖓ ᖃᓄᑎᒋᐸᓪᓕᖓᑦ ᖃᐅᔨᓴᕐᓗᑎᒃ ᓂᒡᓚᔾᔪᒥᓂᖓᓄᑦ. ᖃᐅᔨᓴᐅᑕᐅᕙᑦ ᐅᒃᑐᑎᖃᕐᓗᑎᒃ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᖅ ᐅᖅᑯᓯᕙᓪᓚᐊᓪᓚᔪᕐᓂᖓᓗ ᐃᓱᒪᒋᔭᐅᓪᓗᓂ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᕐᒥᕙ. ᖃᐅᔨᓴᖃᑦᑕᕐᓂᖏᑦ ᒪᓪᓗᒍᑦ ᐃᒧᓂᖃᕐᓗᓂ 1.0-ᒥᑕᒥᒃ ᓇᒻᒪᓂᖏᑦᑕᐅᕙ ᖃᒃᑲᓂᐊᒍᓪᓗ 0.25-ᒥᒃ ᓯᐅᒃᖠᒥᒃ ᖃᓪᓕᖅᑕᒃᑲᓂᕐᓗᓂ. ᑕᐃᒪᓐᓇ ᐃᕙᑎᓗᓂ ᐊᖏᓗᑦ 100-ᓗᑦ ᐅᖅᑯᓯᕙᓪᓚᓂᖓ ᐃᓱᒪᒋᔭᐅᓪᓗᓂ ᐊᑦᑕᒃᑕᕙ.

ᖃᐅᔨᓴᖅᑕᐅᓪᓗᓂ 14-ᒥᑐᖅ ᑐᐊᐸᖓ ᑲᖓᓂᑐᖅ ᒪᓱᐅᓂᒥᑐᖅ ᑯᕕᑦᑕᕐᒥᑦᑐᖅ ᐊᒻᒪᓗ ᐅᔾᔨᐃᓐᓇᐅᓂᖓᓗ ᒪᓱᐅᕐᑐᒥᑦᑐᖅ. ᐊᑕᓂᑐᖅ ᒪᓱᐅᕐᓂᖓᓄᑦ ᒪᓱᒃᑯ ᑲᖓ ᐃᓗᓕᐊᐃᓐᓇᕿᐊᖃᑐᖅ ᐅᔾᔨᐃᓐᓇᐃᑦ ᐊᑯᓂᖓᒍᕐᓗᓂ ᑕᐃᒪᐃᓂᖓᓄᑦ ᑲᖓᓄᐊᖅᑕᕙ ᑐᐊᐸ ᐃᕙᓂᓴᐅᓂᐊᖅᑐᖅ ᑲᖓᓄᑦ ᑯᕕᔭᐅᖃᑦᑕᑐᒥᑦ. ᑲᒃᑲᓂᐊᒍᓪᓗ ᐃᓚᓐᔪᐅᒃᑲᓂᕐᓗᓂ ᓯᐅᖕᒥᒃ. ᖃᐅᔨᓴᕐᓗᑎᒃ ᐃᕙᓂᖃᓐᓇᖃᑕᐅᑐᖅ 2.2-ᒥᑕᒥᒃ. ᕿᖓᑦᑕᒥᒃ ᑐᐊᐸᒥᒃ ᐱᒍᓂᖃᕐᓗᓂ 195-ᒥᑕᒥᒃ ᐊᒻᒪᓗ 0.25-ᒥᑕᒥᒃ ᓯᐅᖏᒥᒃ.

ᑲᖓᓂᑐᖅ ᑯᕕᔭᐅᖃᑦᑕᓯᒪᕙ ᖃᐃᒃᑲᓴᖅᑕᐅᓪᓗᕐᓗᓂ ᑐᐊᐸᓕᖅᑕᐅᓂᐊᖅᑐᖅ. ᑲᖓᓄᐊᖃᐃᓂᐊᑐᑦ ᑐᐊᐸᒥᒃ ᐊᖏᓂᖃᑐᒥᒃ 400,000 -ᒥᑕ ᑭᐸᓐᓂᕐᓯᓗᒍ ᕿᓂᖅᑕᖅ ᑐᐊᐸ ᐊᒻᒪᓗ 95,000 ᑭᐸᓐᓂᕐᓯᓗᒍ ᓯᐅᖅ ᐊᒻᒪᓗ ᑐᐊᐸ.

ᐱᖃᑕᓗ ᓴᐅᔭᐅᓂᐊᕐᑐᕐ ᐊᖏᓂᖃᕐᑐᒥᒃ 151,000 *ᒥᑕ ᐊᒻᒪᓗ 27,500ᒥᑕ* ᓯᐅᕋᖅ.

ᑐᐊᐸᐅᑦ ᖃᓄᐃᑦᑐᔪᓇᐊᖃᕐᓂᖓ, ᓴᓇᔭᐅᓂᖓᓗ, ᐱᐅᓂᖓᓗ ᓇᓗᓇᐃᑦᑕᐅᑎᐊᕐᓯᒪᔪᖅ. ᓴᓇᔭᐅᓯᒥᐊᕈᓂ ᖃᐅᔨᓴᕐᑕᐅᕙᓪᓕᐊᓂᐊᕐᑐᖅ ᖃᓄᑎᒋ ᐃᔪᕐᑎᒋᓪᓕᕐᒪᖔᑦ, ᓯᕕᖓᓂᖓᓗ ᖃᐅᔨᒪᔭᐅᕙᓪᓕᐊᓗᓂ ᐊᒻᒪᓗ ᒪᓴᐅᓂᖓ. ᐱᔭᕇᕐᑕ ᓴᓇᔭᕇᕐᑕ ᖃᐅᔨᓴᖃᑦᑕᐃᓐᓇᕐᓂᐊᕐᑐᑦ ᐅᖁᓂᖓᓂᒃ, ᖁᐊᕐᐸᓪᓕᐊᓂᖓᓂᒃ ᐃᒥᐅᓪᓗ ᐱᐅᓂᖓᓂᒃ, ᐊᒻᒪᓗ ᖃᖓ ᖃᓄᐃᐸᐸᓪᓕᐊᕐᒪᖔᑦ ᖃᐅᔨᓴᓇᔭᐅᓗᓂ. ᕿᐅᔨᓴᕐᑕᐅᓗᓂ ᐊᕿᒍᓄᑦ 7-ᓄᑦ ᖃᓄᐃᓕᐅᖃᑦᑕᕐᓂᐊᕐᒪᖔᑕ ᑎᑎᕋᕐᓯᒪᔪᖅ ᑕᑯᓂ.

ᖃᓄᐃᓕᑲᓪᓚᒃᑐᕕᓂᐅᒃᐸᑦ ᐸᖕᐅᑎᖃᕐᒥᔪᑦ ᓱᕐᓗ ᓄᖑᐸᓪᓕᐊᓐᓂᕈᓂ ᑐᐊᐸᖓ ᖃᓄᐃᑕᐅᓚᔪᕐᒪᖔᑦ, ᐅᐸᓗᖕᓂᑦ ᖃᖓᑦ ᑐᐊᐸᒃ ᐃᓕᕿᓕᕙᓪᓕᐊᓂᕈᓂ, ᐅᐸᓗᖕᓂᑦ ᐃᒥᐅᓂᖓ ᐱᐅᔪᕐᓂᕐᓂᕈᓂ. ᕿᓄᐃᒃᑯᔭᕐᓂᖓ ᖃᓄᐃᑕᐅᓚᔪᕐᓂᖓᓗ ᐸᕐᓇᐅᑎᐅᓪᓗᓂ ᑕᕙᓗ ᑎᑎᕋᖅᓯᐅᑎᓯᒪᔪᖅ ᖃᓄᕐᓗ ᐱᒋᐊᕐᑕᐅᓚᔪᕐᒪᖔᑦ.

West Twin Disposal Area Talik Investigation

1.2 G.5 - ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᖓ ᐊᐅᒪᐃᓐᓇᕐᑐᓂᖓ ᐃᒥᐅᑦ

1.2.1 ᓇᐃᒃᓕᒋᐊᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᖅᓴᐃᑦ

ᐃᒥᕐᒧᑦ ᐱᔪᓇᐅᑎᑕᓇᓯᒪᔭᖓ NWB1NAN0208 ᑐᓂᔭᐅᓯᒪᔪᖅ ᐃᒥᓕᕆᔩᒃᑯᑦ ᑲᑎᒪᔩᖏᓐᓄᑦ, ᑲᓐᔩᒃᑯ-ᑯᓐᓄᑦ, ᑕᒃᑯᐊᓗ ᐱᕐᑯᑎᖃᕐᑎᐅᓪᓗᑎᒃ ᓇᓂᓯᕕᒃᒥᒃ ᐅᔭᕋᓐᓂᐊᕐᕕᒃᒥᒃ ᑲᒪᒋᔭᖃᕐᓗᑎᒃᓗ ᓴᓗᒻᒪᓵᕐᑕᐅᓂᖓᓂᒃ ᐊᒻᒪᓗ ᖃᓄᐃᓕᐅᕐᓂᐅᕙᔪᕐᑐᓂᒃ ᐊᖏᕐᑕᐅᓇᓱᒃᓗᑎᒃ ᓴᓗᒻᒪᓵᕐᓂᕐᒧᑦ ᒪᑐᐸᓪᓕᐊᓂᖓᓄᓪᓗ ᐸᕐᓇᐅᑎᓂᒃ.

ᓇᓂᓯᕕᒃᒥ ᓴᓗᒻᒪᓵᖅᐃᓂᐅᓂᐊᕐᑐᖅ 2004-ᒥ ᐊᕿᒃᑕᐅᓯᒪᓕᕐᒪᑦ ᐸᕐᓇᐅᑎᖓ ᐱᔪᓇᐊᖃᕐᓂᖓ ᒪᓕᒃᓗᒍ ᐱᒍᓐᓇᐅᑎᖓᓂ ᐊᑐᓂᓗ ᖃᓄᐃᓕᐅᕐᑕᐅᓂᐊᕐᓂᖏᑦ ᑎᑎᕋᕐᓯᒪᓪᓗᑎᒃ. ᑕᒃᑯᐊ ᑎᑎᕋᕐᑕᐅᔪᑦ ᐱᔪᓇᐊᖃᕐᓂᖓ ᒪᓕᒃᓗᒍ ᐱᔪᓐᓇᐅᑎᖓᓂ ᑯᕕᕐᑕᕐᕕᒃ ᖃᐅᔨᓴᕐᑕᐅᓂᖓ ᐊᐅᒪᐃᓇᕐᑐᓂᖓᓂᒃ.

ᒪᓕᒃᓗᑎᒃ ᐱᔪᓐᓇᐅᑎᖓᓂ ᐃᒥᕐᒧᑦ, ᑕᒃᑯᐊ ᑎᑎᕋᕐᓯᒪᔪᑦ ᓇᐃᒃᓕᒋᐊᕐᓯᒪᓪᓗᑎᒃ ᐃᒪᐃᓕᖓᔪᒥᒃ ᐅᖃᕐᓯᒪᔪᑦ:

ᐱᔪᓐᓇᐅᑎᖃᕐᑐᖅ ᑐᓂᓯᓂᐊᕐᐳᖅ ᐃᒥᓕᕆᔩᒃᑯᑦ ᑲᑎᒪᔩᖏᓐᓄᑦ ᐊᖏᕐᑕᓇᔪᒃᓗᑎᒃ ᐅᓂᑲᕐᓯᒪᔪᒥᒃ ᐊᐅᒪᐃᓐᓇᕐᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᐅᑎᓂᒃ ᑯᕕᕐᑕᕐᕕᖕᒥᑦ ᖃᐅᔨᓴᕐᕕᐅᓯᒪᔪᑦ ᐅᑯᐊᖑᓗᑎᒃᓗ:

1. *ᓂᐅᕐᕈᖃᑦᑕᕐᓂᖏᑦ ᖃᐅᔨᓴᖃᑦᑕᕐᓂᖏᓪᓗ ᖃᓄᑎᒋᖃᑦᑕᕐᓂᖓᓂᒃ ᐊᐅᒪᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓗᑎᒃ.*
2. *ᐳᖅᑯᓂᖓᓂᒃ ᑭᓯᑕᖃᕐᓂᖓᓂᒃᓗ ᑐᐊᐸᖓ ᐊᐅᒪᐃᓇᕐᓂᖓ*
3. *ᓇᓗᓇᐃᕐᓯᓗᑎᒃ ᖃᓄᑎᒋ ᖁᐊᖑᓂᖓ ᑎᑭᐅᒪᑎᒋᖃᑦᑕᓪᓚᖓᑦ ᐃᒥᐅᑦ ᖃᓄᐃᑦᑐᓂᖓ (ᐊᖏᓂᖓ, ᓱᒃᑯᑎᒥᓂᖓᓗ) ᖃᑎᒃᓯᓕᕐᓂᐅᔭᓗ, ᐊᒻᒪᓗ ᖃᑎᒃᓯᓕᕐᓯᒪᔪᑦ ᖁᐊᕐᒧᑦ, ᐊᒻᒪᓗ ᖃᓄᐃᑕᐅᔭᑕᐅᓂᐊᕐᒪᖔᑕ ᑕᒃᑯᐊ ᖃᐅᔨᒪᔭᐅᔪᑦ ᐃᒪᐃᓕᑐᐃᓐᓇᓚᐊᓕᑦ ; ᐊᒻᒪᓗ*
4. *ᐃᒥᐅᑦ ᐱᐅᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓯᒪᓗᑎᒃ ᒪᓕᒃᑕᐅᓗᑎᒃ ᐱᔪᓇᐊᓕᑦ.*

ᑖᓐᓇ ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᐊᐅᒪᓂᖓᓂᒃ ᐅᓂᑲᕐᓯᒪᔪᖅ ᐅᖃᕐᓯᒪᓂᖃᓗᐊᕐᑐᖅ ᐅᑯᓂᖓ:

- ᓇᓗᓇᐃᕐᓗᓂ ᖃᓄᐃᑦᑐᓂᖓᓂᒃ ᐊᐅᒪᓂᖓ ᐊᒻᒪᓗ ᑭᓱᒧᑦ ᐊᐅᒪᔪᑎᖃᕐᒪᖔᑦ
- ᒪᑐᓯᒪᓕᕐᑎᓪᓗᒍ ᖃᓄᕐ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᕐᓂᐊᕐᒪᖔᑦ
- ᐸᕐᓇᐅᑎᖃᕐᓗᑎᒃ ᖃᓄᐃᓕᑲᓪᓚᒃᑐᕕᓂᐅᒃᐸᑦ.

ᓇᓂᓯᕕᒃ ᖁᐊᖑᐃᓐᓇᕐᑐᒥᓪᓚᑦ ᓄᓇᖓ. ᖁᐊᖑᐃᓐᓇᕐᓂᖓ ᑎᑭᐅᒪᓪᓗᓂ ᐃᔪᓂᖃᕐᓗᓂ 430-ᒥᑕᒥᒃ, ᖃᐅᔨᓴᐅᓯᒪᔪᖅ ᓂᐅᕐᕈᖃᑦᑕᕐᓗᑎᒃ ᑐᐊᐸᖓᓗ ᒪᓴᐅᓂᖃᕐᓗᓂ 20-ᐳᓴᓐᒥᒃ ᐊᒻᒪᓗ ᓂᒡᓚᓱᓐᓂᖃᕐᓗᓂ -10-ᒥᒃ.

ᑯᕕᑦᑕᕕᐅᔪᖅ ᐸᓂᖕᓂᖅᓴᐅᓗᓂ, ᑕᕝᕙᓂ ᐃᒥᖅᑐᑯᓐᓂ ᑯᕕᑦᑕᕕᐅᓪᓗᓂ, ᐊᒻᒪ ᐊᑦᑎᒃᓂᖅᓴᒥ. ᐃᒪᖅᐳᑎᖅᑐᑎᒃ ᑕᓯᐊᓂᓯᒪᔪᒥᒃ. ᑐᐊᕋᒃᑯᑦ ᐊᕐᕌᓯᒪᓪᓗᓂ, ᑖᓐᓇ ᑐᐊᕋᒃ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᓪᓗᓂ ᐊᕐᕌᐊ ᐊᕕᒃᓯᒪᔪᑕᐅᓪᓗᓂᓗ ᐃᒪᖅᐳᑎᖓ ᐊᒻᒪ ᑯᕕᑦᑕᕖᖓ. ᑕᒪᕐᒥᒃ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔫᒃ ᖁᐊᖑᐃᓐᓇᖅᑐᑎᒃ ᑐᐊᕋᒃᒥᒃ ᕿᓂᖅᑕᒥᒃ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔫᒃ.

ᓯᕗᓪᓕᖅ ᐊᕐᕌᐊ ᑐᐊᕋᒃ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᖅ ᓴᓇᔭᐅᓚᐅᖅᑐᖅ 1991-ᒥ. ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᑦ ᐃᓚᔭᐅᑉᐸᓐᓂᖅᐸᓪᓗᓂᓗ ᐊᖅᑯ ᐃᓗᐊᓂ ᐃᒥᖅᐸᓪᓕᐊᓂᖓ ᒪᓕᒃᑕᐅᓪᓗᓂ. ᐊᖅᑯᑕᒪᓪᓗ ᐃᓚᔭᐅᖃᑦᑕᖅᓗᓂ ᑕᐃᒪᖓᑦ ᐱᒋᐊᖅᓗᓂ 1991-ᒥᑦ 1999-ᒧᑦ ᑭᓯᐊᓂ ᐃᓚᔭᐅᓚᐅᖏᑦᑐᖅ 1994-ᒥ.

ᐱᖃᑦᑕᐅᖅ ᐊᕐᕌᓯᒪᔪᖅ ᕿᓂᖅᑕᒥᒃ ᑐᐊᒃᒥᑦ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᓪᓗᓂ. ᒪᑭᓕᖓᓪᓗᓂ ᓴᓇᔭᐅᓚᐅᖅᓯᒪᔪᖅ. ᓯᕗᓪᓕᖅ ᓴᓇᔭᐅᓚᐅᖅᑐᖅ ᐳᖅᑐᓯᔭᐅᓪᓗᓂ 383.5-ᒥᑕᒥᒃ. ᑭᖑᖅᓕᕆᒃ ᓴᓇᔭᐅᑉᐸᓐᓂᕆ ᐳᖅᑐᓯᕆᐊᖅᓗᓂ ᐳᖅᑐᓂᖃᓕᖅᓗᓂ 385.5-ᒥᑕᒥᒃ. ᑭᖑᓪᓕᖅᓗ ᑐᖓᕕᖃᖅᓗᓂ ᓯᕗᓪᓕᐅᑦ ᑐᐊᕝᖓᓂᒃ ᐊᒻᒪ ᐃᓚᖓ ᑯᕕᑦᑕᕕᒻᒪᓪᓗᓂ.

ᐊᐅᓚᐃᓐᓇᖅᓂᖓ ᖃᐅᔨᒪᓇᖅᑐᖅ ᒪᓕᒃᓯᒪᓂᖓᓂᒃ ᑯᕕᔪᐅᕋᓪᓕᐊᔭᒥᒃ.
ᑯᕕᓯᖃᑦᑕᓗᐅᕈᓗᐊᖅᒪᑕ ᐃᒥᖅᑯᑦ ᐃᖃᖓᓄᐊᖅᐸᓪᓕᐊᓪᓗᓂ ᑯᕕᔪᐅᕋᓪᓕᐊᔪᖅ 1977-ᒥ. 1988-ᒥ ᑕᑕᓗᐊᓕᓚᐅᖅᒪᑦ ᑯᕕᑦᑕᕕᒃ ᐊᖏᖅᑕᐅᓚᐅᖅᓯᒪᓕᓪᓗᓂ ᓄᓇᖅᑎᐊᕐᒥ ᐃᒥᓕᓂᕈᒃᑯᑦ ᑲᑎᒪᔩᖏᓐᓄᑦ ᓄᓇᐅᑦ ᖃᖓᓄᑦ ᑯᕕᓯᖃᑦᑕᕈᒪᓕᖅᑐᑎᒃ. ᑕᐃᒪᓐᓇᐅᑎᓐᓇᓯᒃᑐᒍ ᓴᓇᔭᐅᑉᑲᓂᕆᐊᖃᓚᐅᖅᑐᖅ ᑯᕕᑦᑕᕕᒃ ᒪᑭᓕᖅᑎᑕᐅᓪᓗᓂ ᐃᒪᖓ. Hᓕᖅᐱᒥᓐᓂᖅᓴᖅ ᐃᒪᖅᑲᐅᑕᐅᓪᓗᓂ ᐃᒪᖓᓗ ᑕᐃᒪᐃᖏᓐᓇᖅᓗᓂ ᐃᒪᖅᑯᖅᑐᓂᖓ ᓴᐅᒥᒃᒥᖓᓂᖅᑐᖅ ᑯᕕᑦᑕᕕᒃ ᓄᓇᒧᑦ ᑯᕕᕕᐅᖃᑦᑕᖅᓗᓂ. ᑯᕕᔪᐅᕋᓪᓕᐊᔪᖅ ᐱᒋᐊᓚᐅᖅᓯᒪᔪᖅ 1990-ᒥ ᓄᓇᒧᑦ ᑯᕕᓯᖃᑦᑕᓕᖅᑐᑎᒃ. ᐃᒥᐅᓂᖓᓗ ᑲᑎᑕᐅᕋᓪᓕᐊᒋᓪᓗᓂ ᐃᒪᖅᐳᑎᖓᓄᐊᖅᑕᐅᔪᓪᓕᐊᓪᓗᓂᓗ. ᐳᖅᑐᓂᓈᖅᑕᖓ ᒫᓐᓇ 388-ᒥᑕ ᑐᐊᒃ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᖅ ᐊᕐᕌᓗᒋᔪᖓᖓ ᐱᔪᓐᓇᖅᑕᐅᓚᐅᖅᑐᖅ 1999-ᒥ. ᑯᕕᕕᐅᖏᓇᖃᑦᑕᓚᐅᖅᑐᖅ ᒪᑐᓂᖓᓄᑦ ᑎᑭᓪᓗᓂ ᓯᑎᐱᓐ 2002-ᒧᑦ. ᓇᓚᐅᑦᑕᖅᑕᐅᓪᓗᓂ ᑯᕕᔪᐅᓯᒪᔪᖅ ᐊᖏᓂᖃᖅᑐ 6.5 ᒥᓕᐊᓐ ᑭᐸᓐᓯᒃᓯᓗᒍ ᒥᑕ ᐊᑯᓐᓂᖓᓂ 1978 ᐊᒻᒪ 2002.

ᐱᒪᖃᐅᑎᖓᓂ, ᑯᕕᔪᐅᖃᑦᑕᓯᕆᐊᓚᐅᖅᑐᖅ ᑕᓯᖅᒧᑦ 1976-ᒥ. ᕿᑎᐸᓗᐊᓄᑦ ᑯᕕᔪᐅᖃᑦᑕᖅᓗᓂ ᑕᓯᐅᑦ ᐊᒻᒪ ᓂᕆᖅᐸᓗᒃᒧᑦ ᑎᒃᑕᐅᔪᓕᐊᖃᑦᑕᖅᓗᓂ ᐊᒻᒪ ᑯᕕᔪᐅᖃᑦᑕᖅᓯᒪᓕᕆᓪᓗᓂ ᑭᒃᑯᖓᓄᑦ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᑦ. 1988-ᒥ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᖅ ᐊᑐᖅᑕᐅᖃᑦᑕᓕᓚᐅᖅᑐᖅ ᐃᒪᖃᐅᑎᖓᓂ, ᑯᕕᔪᐅᖃᑦᑕᓕᕆᒃᒪᑦ ᑭᒃᑯᖓᓄᑦ ᖃᑦᑎᒃᓯᓂᖅᓯᒪᔪᑦ ᓴᓇᔭᐅᓂᑯᓪᓗᓂᓗ 2000-2001-ᒥ. ᐊᖏᒃᑯᕆᐊᕈᑕᐅᓯᒪᓪᓗᓂ ᑯᕕᔪᐅᔭᓐᓇᖅᑐᖅ ᑕᓯᖅᒧᑦ. ᐃᓚᖓᓗ ᓄᓇᐅᑦ ᖃᖓᓄᑦ ᑯᕕᔪᐅᖃᑦᑕᖅᓯᒪᓪᓗᓂ ᐃᒥᐅᓂᖓ ᐃᒪᖅᑲᕕᖓᓄᐊᖃᑦᑕᖅᓗᓂ. ᑲᑎᒍᕆᑦ ᑯᕕᔪᐅᖃᑦᑕᖅᓯᒪᔪᑦ 35 ᒥᓕᐊᓐ ᑭᒃᐸᓐᓯᖅᓯᓗᒍ ᒥᑕ ᑕᐃᒪᖓᑦ 1978-ᒥᑦ ᐅᓪᓗᒥᒧᑦ.

ᑯᕕᔪᐅᖃᑦᑕᖅᑐᖅ ᓄᓇᐅᑦ ᖃᖓᓄᑦ ᓴᕿᔪᓕᖅᑎᓪᓗᒍ ᖁᐊᖑᐃᓐᓇᖅᑎᑕᐅᓇᓱᖑᓂᓚᐅᖅᑐᖅ. ᖁᐊᖅᐸᓪᓕᐊᓂᖓ ᐊᔨᕆᐊᓐᓂᖅᓗᓂᐅᑉ ᑯᕕᓇᔪᐅᕋᓪᓕᐊᖏᓐᓇᖅᓂᖓᓄᑦ ᐊᒻᒪ ᐃᒥᐅᓂᖓ ᐃᓗᑐᓂᖅᒧᐊᖅᐸᓪᓕᐊᖃᑦᑕᖅᓇᓪᓗᓂ. ᑯᕕᔪᐅᖃᑦᑕᖅᓯᒪᔪᑦ ᑕᓯᖅᒧᑦ ᐊᐅᓚᐃᓐᓇᖅᓯᒪᓪᓗᑎᒃ, ᑕᒪᓐᓇ ᖁᓪᒧᑦ ᐊᐅᒪᓂᖓ ᐱᕋᓪᓕᐊᓪᓗᓂ. ᑯᕕᔪᐅᖃᑦᑕᖅᓯᒪᔪᑦ ᓄᓇᐅᑦ ᖃᖓᓄᑦ ᖁᐊᖅᐸᓪᓕᐊᓂᖓᓄᑦ ᒪᓂᕐᐅᑦ ᒪᓕᒃᓯᒪᓪᓗᓂ ᑭᒃᑯᖓᓄᑦ ᑕᓯᐅᑦ ᑎᑭᓪᓗᒍ.

ᖃᐅᔨᓴᖅᓂᖃᓚᐅᖅᒥᔪᑦ ᐊᕿᒃᓱᐃᓪᓗᑎᒃ 2002 ᐊᒻᒪ 2003-ᒥ ᑐᑭᓯᔭᐅᑉᐸᓐᓂᕐᓱᒃᓗᓂ ᑯᕕᑦᑕᕕᐅᔪᖅ ᖃᓄᐃᓕᐅᕆᓪᓕᐊᒃᒪᖓᑦ. ᑲᑎᓪᓗᒋᑦ 44 ᓂᐅᕋᖅᑕᐅᓚᐅᖅᑐᑦ ᑯᕕᑦᑕᕕᐅᔪᒥ. ᖃᐅᔨᓴᖅᑐᑎᒃ ᐱᖃᓯᐅᑎᓚᐅᖅᑐᑦ ᐃᓕᓯᓪᓗᑎᒃ ᖃᐅᔨᓴᐅᑎᓂᒃ ᐅᖁᓂᖓᓂᒃ ᖃᐅᔨᓴᐅᑎᒥᒃ, ᐊᐅᒃᐸᓪᓕᐊᔭᒥᒃ ᖃᐅᔨᒐᖓᒥᒃ, ᐃᓕᓐᓂᐊᐅᑉᐸᓐᓂᖃᑦᑕᖅᓗᓂ ᖃᐅᔨᓴᐅᑎᒃᑲᓐᓂᓂᒃ ᐃᒥᐅᑦ ᐱᐅᓂᖓᓂᒃ ᐃᒥᐅᓪᓗ ᐳᒪᖓᓂᒃ. ᐊᔨᕐᖏᑦᑐᑦ ᖃᐅᔨᓴᕐᕕᐅᔪᑦ ᐊᐅᓚᖅᑎᑕᐅᖃᑦᑕᖅᓯᒪᔪᑦ ᖃᐅᔨᓴᕐᕕᒃᒧᑦ.

ᖃᐅᔨᓴᖃᑦᑕᖅᓯᒪᔪᑦ ᐅᔭᕌᑦ ᐊᖏᓂᖏᓐᓂᒃ, ᒪᓯᐅᓂᖓᓂᒃ, ᑐᐊᐸᐅᑦ ᐊᖏᓂᖓᓂᒃ, ᖁᐊᖑᓂᖓ ᓴᕙᑦ ᑎᑭᐅᒪᒻᒪᑦ, ᐅᖁᓯᕙᓪᓕᐊᓂᕐᒧᓪᓗ ᖃᐅᔨᓴᐅᑎᑦ. ᑯᐱᖅᑕᖅᐱᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓪᓗᓂ ᐊᒻᒪᓗ ᓄᓇᐅᑦ ᖃᖓ ᑕᓯᐅᑦ ᐊᕙᑕ. ᖃᐃᖅᓱᒻᒥᑦᑐᓪᓗ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓕᕐᓗᑎᒃ ᖃᓄᐃᑦᑐᒻᒪᖔᑕ.

ᖃᐅᔨᓴᖅᓱᑎᒃ ᑐᑭᓯᓇᐅᖅᑐᑦ ᐊᐅᒪᐃᓐᓇᖅᓂᖃᖅᓂᖓᓂᒃ ᑯᐱᔭᐅᖃᑦᑕᖅᑐᖅ. ᕿᒥᕈᔭᐅᓇᐅᖅᑐᑦ ᐊᐅᒪᐃᓐᓇᖃᑦᑕᖅᓂᖓ ᑭᓱᒧᒻᒪᖓ ᑯᐱᔭᐅᕙᓪᓕᐊᖏᓐᓇᖅᓂᖓᓐᓄ ᖁᐊᕇᓐᓇᖏᓐᓂᖓᓄᑦ ᖃᓄᖅᓱ ᖁᐊᖅᔭᕐᒪᖓᑦ ᖃᐅᔨᓴᖅᑕᐅᑎᓪᓗᓂ. ᐃᒪᖃᖅᓂᖓ ᑕᓯᓕᐊᓇᓯᒪᔪᑦ ᖁᐊᔨᐊᖅᓯᕆᔭᐅᖏᑦᑐᖅ ᐃᓗᓪᓗᑦ ᐱᔪᑎᕆᓪᓗᒍ ᐃᒪᖃᐃᓐᓇᖅᓂᐊᖅᒪᑦ.

ᖃᐅᔨᓇᐅᖅᑕᖓᑦᑕᐅᖅ ᐊᐅᒪᐃᓐᓇᖅᓂᖓ ᑯᐱᔭᐅᖃᑦᑕᖅᑐᖅ ᓂᑲᓱᒃᑲᓗᐊᖅᑎᓪᓗᒍ 0-ᒥᒃ. ᖃᐅᔨᓴᖅᑕᐅᓚᒥ ᐃᒥᐅᓂᖓ ᑐᑭᓯᔭᐅᓇᐅᖅᑐᖅ ᑕᕆᐅᖃᖅᓂᖓᓄᑦ ᖁᐊᖃᑦᑕᖏᐊᖅᑎᕆᔭᖓ ᐊᖏᓂᖃᖅᓱᓂ 4-ᒥᒃ 1000-ᒥᑦ. ᖁᐊᕋᓱᒃᓱᓂ ᓂᑲᓱᒃᑎᕆᔭᕆᐊᖃᖅᑐᖅ 0.2-ᒥᒃ. ᖃᐅᔨᓴᐅᑎᒃᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᓱᓂ ᖁᐊᕋᓱᒃᓱᓂ ᓂᑲᓱᒃᓂᖃᕆᐊᖃᖅᑐᖅ 1.2-ᒥᒃ

ᓄᓇᒧᑦ ᑯᐱᔭᐅᖃᑦᑕᖅᑐᖅ, ᓂᑲᓱᒃᓂᖓ ᒪᓕᒃᑕᐅᓱᓂ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᑦ. ᓇᓚᐅᑦᑕᖅᑕᐅᓯᒪᒻᒪᑦ ᐃᓱᓕᖃᕐᓯᒪᔭᐅᓱᓂ 2-ᒥᓕᐊᖕ ᑭᐸᕆᒃᓯᒧᑦ ᒥᑕ ᐊᐅᒪᔪᒥᒃ ᑯᐱᖅᓱᑯᓯᒪᔪᒥᒃ, ᐊᒻᒪᓗ 1-ᒥᓕᐊᖕᑲᖕᓂᖅ ᑯᐱᔭᐅᓯᒪᓱᓂ ᐃᒥᖅᒧᑦ. ᐃᒥᖃᖅᓂᖓ ᐃᓱᒪᕆᓱᒍ 40-ᐳᓴᖕᒥᒃ ᒪᓯᐅᓂᖃᖅᑎᓱᒍ ᐃᓱᒪᕆᔭᐅᓯᒪᔪᖅ ᐊᖏᓂᖃᖅᑐᖅ 104,000 ᑭᐸᕆᒃᓯᒧᑦ ᒥᑕ ᖁᐊᕆᐊᖃᖅᓂᖓᓂᒃ. ᐊᖏᓂᖓ ᓇᓚᐅᑦᑕᖅᑕᐅᓯᒪᔪᖅ ᐃᒪᖃᖅᓂᖓ ᐱᖃᓯᐅᑎᓱᒍ.

ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᖅ ᖃᓄᑎᒋ ᖁᐊᖅᐸᓕᐊᑎᒋᔭᖕᒪᖔᑦ ᖁᐊᖑᓂᖓᓐᓄ ᖃᓄᑎᒋ ᐃᓚᕚᓕᐊᑎᒻᒪᖔᑦ ᐊᐅᒪᓂᖓᓄ ᖃᓄᖅ ᐊᑯᓂᐅᑎᒋᔪᒥᒃ ᖁᐊᖅᐸᓕᐊᖃᑦᑕᖅᒪᖔᑦ. ᖃᐅᔨᓴᖃᑦᑕᓚᐅᕐᕕᐊᑦ ᐊᔾᔨᖏᑦᑐᓂᖓ ᐊᒻᒪᓗ ᖃᓄᑎᖅᓂᖓ ᓄᓇᐅᑦ ᓂᒃᓕᓇᖅᓂᖓ ᐊᒻᒪᓗ ᓯᓚᐅᑦ ᐅᖁᓯᕙᓪᓕᐊᓂᖓ, ᐊᐳᑎᖅᓂᖓ, ᐊᒻᒪᓗ ᑐᐊᐸᒃ ᕿᖅᓂᖅᑕᖅ ᓴᐅᓯᕙᑕᐅᓱᓂ ᖃᓄᐃᒃᑲᔪᕐᒪᖔᑦ. ᓂᒃᓕᓇᖅᓂᖓ ᓂᒃᓕᓇᖅᓂᖃᖅᓱᓂ 2.0. ᖃᐅᔨᓴᖃᑦᑕᓚᐅᕐᕕᐊᑦ ᐊᐅᒪᓂᖓ ᖁᐊᕋᓱᒃᓱᓂ ᖃᓄᖅ ᐊᑯᓂᐅᑎᒋᖃᑦᑕᕐᒪᖔᑦ ᐳᖅᑐᓂᖏᑦ ᐊᔾᔨᖏᑦᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓱᑎᒃ.

- ᐳᖅᑐᓂᖃᖅᑐᖅ 371-ᒥᑕ - ᑭᒃᓕᖓᓂᑦ ᖃᑦᑎᒃᓯᓕᖅᓯᒪᔪᑦ. ᖃᐅᔨᓴᐅᑕᐅᔪᑦ ᑐᑭᓯᓇᖅᓯᓚᐅᖅᑐᑦ ᐊᕆᒍᓄᑦ 7 ᐅᕙᓗᓂᑦ 8-ᓄᑦ ᖁᐊᕋᓱᒃᑲᔭᖅᓂᖓᓂᒃ.
- ᐳᖅᑐᓂᖃᖅᑐᖅ 365-ᒥᑕ ᑕᓯᓕᐊᓇᓯᒪᔪᑦ ᑭᒃᓕᖓᓂᑦ, ᖁᐊᖅᑐᐃᓐᓇᐅᓇᓱᒃᓱᓂ ᐊᕈᓄᑦ 13-ᓄᑦ ᐅᕙᓗᓂᑦ 15-ᓄᑦ.
- ᐳᖅᑐᓂᖃᖅᑐᖅ 353-ᒥᑕ ᐃᑎᓚᖑᓂᖓ ᑯᐱᖅᑕᖅᐱᐅᑦ. ᐊᕆᒍᓄᑦ 27-ᒥᑦ ᖁᐊᖑᓂᖓᓄᑦ ᐃᓚᒋᓕᐅᑎᓇᓱᒃᑲᔭᖅᑐᖅ.

ᖃᐅᔨᓴᖅᓂᐅᔪᑦ ᐊᐅᒪᓂᖓ ᖁᐊᖅᐸᓕᐊᓱᓂ ᖃᑦᑎᒃᑐᖅᑕᐅᓇᕿᐊᖃᖅᓂᖓᓂᒃ ᖁᐊᖅᐸᓕᐊᓂᖓ ᒪᓕᒃᓱᒍ. ᐃᒥᖅᓱ ᐊᓂᐊᕙᓕᐊᑐᐃᓐᓇᕿᐊᖃᖅᓂᖓᓂᒃ ᐊᒻᒪᓗ ᖃᑦᑎᒃᓂᖃᑐᐃᓐᓇᕿᐊᓕᒃ. ᖃᐅᔨᓴᖅᓂᖃᓚᐅᕐᕕᐊᑦ ᑕᒃᑯᐊ ᐊᔾᔨᖏᑦᑐᑦ ᖃᓄᐃᒃᑲᔪᖅᖁᔨᓂᖏᑦ ᕿᒥᕈᔭᐅᓚᐅᖅᑐᑦ ᖃᓄᖅ ᑕᐃᒪᐃᖏᑦᑐᐃᓐᓇᕆᓪᓚᑦ . ᕿᒥᕈᓚᐅᖅᓱᑎᒃ ᐊᕿᒃᓯᓚᐅᖅᑐᑦ ᐃᒪᓇ:

- ᖁᐊᖑᓂᖓ ᒪᓂᕋᐅᑦ ᖃᑦᑎᒃᓯᓕᑐᐃᓐᓇᕿᐊᖃᖅᓂᐊᖅᑐᖅ
- ᖁᐊᖅᐸᓕᐊᓚᔭᖅᓂᖓ ᐊᐅᒪᓂᖓᓄᑦ
- ᓄᑎᒃᐸᓕᐊᓚᔭᖏᑦᑐᖅ ᖃᖓ
- ᖃᑦᑎᒃᓂᖅ ᖁᐊᖑᓂᖅᒧᑦ ᐱᑕᖃᕈᐊᖏᑦᑐᖅ
- ᐊᐅᒪᐃᓐᓇᖅᓂᖃᑐᐃᓐᓇᖃᐊᓕᒃ ᑕᕆᐅᕈᓂᖓᓄᑦ
- ᖁᐊᓚᑦᑕᖅᓯᒪᖏᑦᑐᖅ ᐊᐅᒪᕈᔪᒃᓂᖓ ᑎᑭᐅᑎᑐᐃᓐᓇᕿᐊᓕᒃ ᐃᒪᖃᖅᐱᐅᔪᒧᑦ ᐊᑕᔪᖅᓱᓂ ᐊᕙᓗᕆᔭᖓ.

ᖃᐅᔨᓴᖅᑕᐅᓯᒪᐃᓐᓇᖅᓂᐊᖅᑐᖅ ᐊᕿᒃᑕᐅᓯᒪᓪᓗᓂᓗ ᖃᓄᖅ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᖅᓂᐊᕐᒪᖔᑦᖁᐊᖅᐸᓕᐊᓂᖓ ᐊᐅᒪᓂᖓ. ᖃᐅᔨᓴᖅᓂᐅᑦ ᐊᐅᓚᓂᓇᓂᐊᖅᑕᖓ ᐅᓂᑲᖅᓯᒪᔪᖅ ᑎᑎᕋᖅᑕᐅᓯᒪᒻᒥᔪᖅ (ᐃᒥᖅᒧᑦ ᐱᔪᓐᓇᐅᑎᖓᓂ ᐱᔭᕆᐊᖃᖅᑎᓯᒪᓂᖓᓄᑦ)

ᖃᐅᔨᓴᕐᑕᐅᓯᒪᐃᓐᓇᕐᓂᐊᕐᑐᖅ ᐊᕐᕌᒍᓄᑦ ᒪᕐᕉᓄᑦ ᓴᓗᒻᒪᖅᓴᐃᑎᓪᓗᒋᑦ ᐊᒻᒪ ᐊᕐᕌᒍᓄᑦ 5-ᓄᑦ ᒪᑐᓯᒪᓕᖅᑎᓪᓗᒍ ᖃᐅᔨᓴᕐᑕᐅᒋᐊᓐᓇᕐᓂᐊᕐᑐᖅ. ᖃᐅᔨᓴᖅᑕᕐᓂᐊᕐᑐᑦ ᑕᑯᔭᐅᖃᑦᑕᕐᓗᓂ, ᕿᒻᒥᒐᕐᑕᐅᓗᓂ, ᐃᓕᓯᓪᓗᑎᒃ ᖃᐅᔨᓴᐅᑎᓂᒃ ᐊᐅᔭᖅᑐᓂᒃ ᓂᒡᓕᒡᓂᖓᓂᒃ ᖃᐅᔨᓴᐅᑎᒥᒃ, ᐃᒥᐅᓪᓗ ᖃᓄᐃᑦᑐᓂᖓᓂᒃ.

ᐸᕆᒋᐊᕐᑐᑦ ᖃᓄᐃᓕᕋᓕᒃᐸᑦ ᐸᕐᓇᐅᑎᕆᔭᕆᐊᑦ ᐊᕿᒃᑕᐅᓯᒪᔪᓕᒫᓪᓗᑎᒃ ᓴᓗᒻᒪᖅᓴᐃᑎᓪᓗᒋᑦ ᐱᔭᐅᑐᐃᓐᓇᕿᐊᓕᑦ ᐃᓱᒪᕆᔭᐅᓪᓗᑎᒃ. ᐅᑯᐊᖑᑐᐃᓐᓇᕿᐊᓕᑦ ᖁᐊᕐᓇᓴᓗᐊᕐᐸᑦ ᐊᐅᒪᓂᖓ, ᐊᐅᒪᓂᖓᓗ ᐊᕐᕆᒃᓕᕈᓕᕐᐸᑦ, ᐅᕙᓗᓂᖓᓂᑦ ᖃᕐᑎᒃᓯᓕᕐᓯᒪᔪᑦ ᓄᖑᐸᓪᓕᐊᑐᑎᒃ. ᐊᑐᓂ ᖃᓄᐃᑲᓪᓗᑕᐅᔪᓐᓇᕐᑐᑦ ᐸᕐᓇᐅᑎᕆᓯᒪᔪᑦ ᑭᓱᒧᓪᓗ ᐱᔪᑎᖃᕐᔭᕐᒪᖔᑦ ᐊᕙᑎᕐᑎᓐᓄᑦ ᖃᓄᐃᔪᕐᑕᐅᕐᑯᓇᕆᑦ.

Borrow Areas Development and Closure Plan

1.3 G.6 – ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ ᒪᑐᔭᐅᓂᖓᓄᓪᓗ

1.3.1 ᓇᐃᓪᓕᒋᐊᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᑖᕆᓯᒪᔭᖓ NWB1NAN0208 ᑐᓂᔭᐅᓯᒪᔪᖅ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᕆᓐᓄᑦ, ᑲᓐᔨᒃᑯ-ᑰᓐᓄᑦ, ᑖᒃᑯᐊᓗ ᐱᕐᑯᑎᖃᕐᑎᐅᓪᓗᑎᒃ ᓇᓂᓯᕕᒃᒥᒃ ᐅᔭᕋᓐᓂᐊᕐᕕᒃᒥᒃ ᑲᒪᒋᔭᖃᕐᓗᑎᒃᓗ ᓴᓗᒻᒪᖅᓴᕐᑕᐅᓂᖓᓂᒃ ᐊᒻᒪ ᖃᓄᐃᓕᐅᕐᓂᐅᕙᔭᕐᑐᓂᒃ ᐊᑐᕆᕐᑕᐅᓇᓱᒃᓗᑎᒃ ᓴᓗᒻᒪᖅᓯᕐᒧᑦ ᒪᑐᕙᓪᓕᐊᓂᖓᓄᓪᓗ ᐸᕐᓇᐅᑎᓂᒃ.

ᓇᓂᓯᕕᒃᒥ ᓴᓗᒻᒪᖅᓴᐃᓂᖅ 2004 ᐊᕿᒃᑕᐅᓯᒪᒻᒪᑦ ᐸᕐᓇᐅᑎᖓ, ᐱᔭᕇᕐᓂᖓ ᒪᓕᒃᓗᒍ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖓᓂ, ᐊᑐᓂᓗ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᐅᓂᒃᑲᐊᕆᓯᒪᓪᓗᑎᒃ ᒪᑐᔭᐅᕙᓪᓕᐊᓗᓂ ᖃᓄᐃᓕᐅᖅᓯᒪᖕᖓᑕ. ᑖᒃᑯᐊ ᑎᑎᕋᐃᑦ ᑎᑎᕋᕐᑕᐅᓯᒪᔪᑦ ᐱᔭᕇᖅᓯᒪᒋᑦ ᒪᓕᒃᓗᒋᑦ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ ᐊᒻᒪ ᓴᓗᒻᒪᖅᓴᐃᓂᕐᒧᑦ ᐸᕐᓇᐅᑎᑦ:

ᐱᔪᓐᓇᐅᑎᖃᕐᑐᖅ ᑐᓂᓯᔪᓐᓇᖅᑐᖅ ᑲᑎᒪᔨᓄᑦ ᐊᑐᕐᑕᐅᓴᓪᓗᓂ ᐅᓂᒃᑳᓕᐊᕆᓂᒃ ᑎᑎᕋᕐᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᕐᓯᒪᔪᓂᒃ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᓂᒃ ᖃᓄᐃᓕᐅᕐᓂᐊᕐᑐᒥᒃ. ᐅᑯᓂᖓᓗ ᐱᖁᔭᐅᓪᓗᑎᒃ:

1. *ᖃᓄᖅ ᑐᐊᐸᒃᒥᒃ ᐱᔭᐅᓂᐊᕐᒪᖔᑕ ᐊᒻᒪ ᖃᓄᑎᒋ ᐱᔭᐅᑎᒋᓂᐊᕐᒪᖔᑕ*
2. *ᐸᒥᐊᑯᓪᓗ ᐱᔭᐅᒋᐊᕐᑐᓐᓂᑦ ᖃᓄᐃᑕᐅᓂᐊᕐᒪᖔᑕ*
3. *ᖃᓄᐃᓕᐅᕐᓗᑎᒃ ᓴᓗᒻᒪᕐᑕᐅᓂᐊᕐᒪᖔᑦ ᐅᕙᓗᓂᑦ ᖃᐃᖃᒃᓴᕐᑕᐅᓂᐊᕐᒪᖔᑦ*
4. *ᓄᓇᖑᐊᑦ ᐱᔭᕇᖅᓯᒪᖔᑕ, ᓇᓗᓇᐃᕐᓯᒪᓗᑎᒃ ᓇᑭᖓᖃᕐᑕᒪᖔᑦ ᑐᐊᐸᒃ*

ᑖᓐᓇ ᑐᐊᐸᒃᑕᕐᓂᐅᔪᖅ ᓴᓗᒻᒪᖅᓴᐃᓂᕐᒧ ᐸᕐᓇᐅᑎᖓ ᑎᑎᕋᕐᓯᒪᔪᖅ ᐃᓗᓕᖓᓂᒃ ᐅᑯᐊᖑᑐᑎᒃ.

- ᑎᓴᒪᑦ ᑐᐊᐸᒃᑕᕐᕕᐅᓂᐊᕐᑐᑦ
- ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ ᖃᐃᖃᒃᓴᕐᑕᐅᓂᖓ ᓴᓗᒻᒪᖅᓴᕐᑕᐅᓂᖓᓗ
- ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᐱᔭᕐᑕᐅᓯᒪᔪᖅ ᑐᐊᐸᒃ ᖃᓄᐃᐸᓪᓕᐊᒻᒪᖔᑦ
- ᑐᐊᐸᒃᑕᒃᑲᓂᖓᓐᓇᖅᑳᕆᑎᒃ ᐱᕕᐅᔪᓐᓇᕐᑐᑦ ᐸᕐᓇᐅᑎᕆᓯᒪᒃᒥᔪᑦ.

ᒪᓐᓇᐅᔪᖅ ᓇᓂᓯᕕᒃᑯᑦ ᐊᕐᕆᕐᑕᐅᓯᒪᔪᑦ 7-ᓂᒃ ᑐᐊᐸᒃᑕᕐᕖᑦ:

- ᐊᒃᑕᕐᕕᐅᑦ ᖃᓂᕆᔭᓂᑦ
- ᐱᖑᐊᓗᑦ ᖃᓂᕆᔭᓂᑦ
- ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᕆᔭᓂᑦ
- ᓯᕕᖑᔪᑦ ᕿᕐᓂᕐᑕᒥᒃ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᖅ
- ᐊᕐᕋᑯᑎᐅᑦ ᖃᓂᕆᔭᓂᑦᑐᖅ
- ᓴᓇᕕᐅᑦ 14 ᖃᓂᕆᔭᓂᑦᑐᖅ
- ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᕆᔭᓂᑦᑐᖅ

ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ ᒪᓕᒐᖏᑦ ᐊᕿᒃᑕᐅᓯᒪᔪᑦ ᒐᕙᒪᒃᑯᖕᓄᑦ ᓄᓇᕗᒻᒥ ᐊᒻᒪᓗ ᒐᕙᒪᑐᖃᒃᑯᖕᓄᑦ.

ᒪᑐᓯᒪᓕᕐᑎᓪᓗᒍ, ᑐᐊᐸᒃ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᖅ ᐅᑯᓄᖓ:

- ᑯᕕᕐᑕᕐᕕᒃ ᖃᓕᕐᑕᐅᓗᓂ
- ᖃᕐᑎᒃᓯᓕᕐᓯᒪᔪᑦ ᐃᓚᔭᐅᒃᑲᓐᓂᕐᓗᓂ
- ᐊᑕᓂᑦᑐᖅ ᑯᕕᕐᑕᕐᕕᐅᑦ ᐃᓕᓐᔭᐅᓗᓂ
- ᐃᒥᖃᕐᕕᐅᔪᖅ ᑕᓯᓕᐊᓐᓯᒪᔪᖅ
- ᑯᕕᕐᑕᕐᕕᐅᔪᑦ ᖃᐅᕗᓴᕐᕕᑦ
- ᐊᒃᑕᕐᕕᒃ
- ᐳᓚᑕᕐᕕᒃ ᐊᑭᓐᓇᒥᑦᑐᖅ
- ᐳᓚᑕᕐᕕᒃ ᑲᓇᒃᓇᒥᑦᑐᖅ
- ᓴᓇᕕᒃ 14 ᐅᔭᕋᐃᓐᓇᕐᓂᒃ ᑲᑎᕐᑎᕕᐅᔪᖅ (ᐱᖁᓯᐅᑎᓪᓗᒋᑦ ᖃᓕᕐᓯᒪᔪᖅ ᖃᒃᑲᓐᓂᐊᒍᑦ ᓯᐅᕋᕐᒥᒃ ᐃᓕᓐᔭᐅᓗᓂ)
- ᐳᓚᑕᕐᕕᒃ ᑕᓇᐅᕐᒥᑦ ᑕᑯᒃᓴᐅᔪᖅ
- ᐳᓚᑕᕐᕕᕕᓂᖅ
- ᐱᓗᕐᑐᕐᓯᒪᔪᖅ
- ᓴᓇᕕᐊᓗᒃ

ᐊᒻᒪᓗᑦᑕᐅᖅ ᕿᕐᓂᕐᑕᕐ ᑐᐊᐸᒃ ᖃᓐᔭᐅᓂᐊᕐᑎᓪᓗᒍ ᖃᒃᑲᓂᐊᒍᑦ ᓯᐅᕋᕐᒥᒃ ᐊᑐᕐᓂᐊᕐᑐᑦ.
ᑕᓐᓇᓗ ᓯᐅᕋᕐ ᐱᔭᐅᓂᐊᕐᑐᖅ ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᒋᔭᓂᖓᕐᓗᓂ. ᑲᑎᓕᒪᕐᓗᒋᑦ ᑐᐊᐸᒃ ᕿᕐᓂᕐᑕᖅ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᖅ ᖃᓕᕐᓯᔪᑕᐅᓂᐊᕐᑐᖅ ᐊᑭᓂᖁᕐᑐᖅ 794,000 ᑭᐸᓐᓯᒃᓯᓗᒍ ᒥᑕ. ?ᑎᓕᒪᕐᓗᒍ ᓯᐅᕋᕐ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᖅ ᐊᑭᓂᖁᕐᑐᖅ 180,350 ᑭᐸᓐᓯᒃᓯᓗᒍ ᒥᑕ. ᐸᑭᓂᖏᑦ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᒪᓕᒃᓯᒪᔪᑦ ᓴᓇᓯᒪᓂᖓᓂᒃ ᖃᖓ ᕿᒥᕈᔭᐅᓯᒪᓂᖓ ᒪᓕᒃᓗᒍ ᐸᕐᓇᐅᑎᖓᓂ, ᐅᔭᕋᐃᓐᓇᐃᑦ ᑲᑎᑕᐅᓯᒪᔪᓪᓗ ᐊᒻᒪᓗ ᐳᓚᑕᕐᕕᑦ ᐱᔭᓐᓇᕐᖁᕐᓂᖏᑦ ᐊᒻᒪᓗ ᐊᒃᑕᕐᕕᐅᑦ ᓴᐅᔭᐅᓂᓄᑦ.

ᑕᓐᓇ ᑎᑎᕋᕐᓯᒪᔪᖅ ᐅᓂᑲᒃᓴᕐ ᐅᖃᕐᓯᒪᔪᖅ ᑐᐊᐸᒃᑕᕐᕕᐅᓂᐊᕐᑐᒥᒃ ᓴᓗᒪᖅᓴᐃᓂᕐᒥᒃᓗ ᐸᕐᓇᐅᑎᖓᓂ ᑎᓴᒪᓄᑦ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᓄᑦ ᐱᑕᖃᕐᓗᓂᓗ ᐱᔭᓐᓇᐊᓕᒃ ᐊᑭᓂᖓ 1,350,000 ᑭᐸᓐᓯᒃᓯᓗᒍ ᒥᑕ, ᓯᐅᕋᖅ ᐊᑭᓂᖃᓪᓗᐊᕐᑐᖅ 375,000 ᑭᐸᓐᓯᒃᓯᓗᒍ ᒥᑕ ᐱᑕᖃᕐᑐᖅ. ᖃᓂᒋᔭᓐᓂᖓᓄᑦ ᑯᕕᕐᑕᕐᕕᐅᔪᑦ ᐱᔭᐃᕕᐅᓂᐊᕐᑐᖅ ᑎᑭᓪᓗᒍ ᑭᒃᓕᖓ ᑯᕕᕐᑕᕐᕕᐅᔪᑦ ᐃᓗᑐᓂᖓ ᐳᕐᑐᓂᖃᓕᕐᓗᓂ 371 ᒥᑕ.

ᑕᒪᕐᒥᒃ ᑐᐊᐸᒃᑕᕐᑕᐅᔪᑦ ᒪᓕᒃᓯᒪᓂᐊᕐᑐᑦ ᐱᕐᑯᔭᓂᒃ ᒪᓕᒐᕐᓂᒃᓗ. ᑕᒪᕐᒥᒃᓗ ᐃᓚᐅᖃᑕᐅᓯᒪᓪᓗᑎᒃ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖓᓄᑦ ᐊᒻᒪᓗ ᐱᔪᓐᓇᐅᑎᖃᓐᓪᓗᑎᒃ ᐊᑐᓂ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ. ᐊᑐᕐᑕᐅᔪᑦ ᒪᓕᒃᑕᐅᔪᑦ ᐱᕐᑯᔭᐃᑦ ᐅᑯᐊᖑᔪᑦ ᐃᓚᖏᑦ. ᐊᑐᐊᒐᐃᑦ ᒪᓕᒐᐃᓪᓗ ᕿᒪᒃᑕᐅᔪᓄᑦ ᒪᑐᔭᐅᔪᓄᓪᓗ ᐅᔭᕆᓂᐊᕐᕕᒃᓄᑦ ᓄᓇᓯᐊᕐᒥ. ᓴᓗᒪᕐᓴᐃᓂᕐᒧᑦ ᒪᓕᒐᐃᑦ ᐅᑭᐅᕐᑕᕐᒥ, ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᒪᓕᒐᐃᑦ ᐳᓚᑕᕐᕕᑦ ᑐᐊᐸᒃᑕᕐᕕᓪᓗ, ᐅᑯᐊᖑᔪᑦ ᒪᓕᒐᐃᑦ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᓇᓂᓯᕕᒃᒧᑦ ᑐᐊᐸᒃᑕᕐᑎᓪᓗᒋᑦ.

- ᑕᒪᕐᒥᒃ ᑐᐊᐸᒃᑕᕐᕕᐅᔪᑦ ᒪᓕᒃᓂᐊᕐᑐᑦ ᓄᓇᕗᒻᒥ ᐅᔭᕋᒃᓂᐊᕐᓂᕐᒧᑦ ᐊᑦᑕᕐᓇᕐᑕᐃᓕᒪᓂᕐᒧᖓᔪᑦ ᐱᕐᑯᔭᐃᑦ
- ᐅᖓᓯᒃᓂᖃᕐᓗᑎᒃ 30-ᒥᑕᒥᒃ ᐃᒥᐅᓂᐅᔪᒥᑦ
- ᐅᑭᐅᒃᑯᑦ ᓴᓇᔭᐅᓂᖓ ᐸᕐᓇᒃᑕᐅᓗᓂ ᑕᐃᒃᑯᐊ ᓄᓇᐃᑦ ᐅᐸᒐᒃᓴᐅᖏᑦᑐᑦ ᐊᐅᔭᒃᑯᑦ
- ᐊᕿᒃᓯᓗᑎᒃ ᑯᒃᑭᒃᓴᒥᒃ ᐊᒻᒪᓗ ᓄᑯᐸᓪᓕᐊᔭᐃᒃᑯᑎᒥᒃ
- ᐳᕐᑐᓂᖃᕐᑐᒥᒃ 5-ᒥᑕᒥᒃ ᐊᒻᒪᓗ ᓴᓂᒧᑦ ᐊᖏᓂᖃᕐᑐᒥᑦ 5-ᒥᑕ ᐱᔭᐃᖃᑦᑕᕐᓗᑎᒃ
- ᑐᐊᐸᐅᑦ ᓯᕕᖓᓂᖓ 2 ᑐᑭᒧᑦ ᐊᒻᒪᓗ 1 ᕐᑯᓪᒧᑦ
- ᐅᔭᕋᐅᑦ ᓯᕕᖓᓂᖓ 1 ᑐᑭᒧᑦ ᐊᒻ 1 ᕐᑯᓪᒧᑦ
- ᐊᕿᒃᓯᓗᑎᒃ ᐃᓚᒃᓴᓄᑦ ᓱᕈᕐᓇᕐᑐᓄᓪᓗ ᐱᕐᑯᑎᒃᑯᕕᐅᓂᐊᕐᑐᒥᒃ ᓴᓗᒪᖅᓴᐅᑕᐅᓂᐊᕐᑐᓂᒃᓗ
- ᓴᓗᒪᖅᓴᐃᓗᑎᒃ ᓴᓂᖏᓐᓂᒃ ᖃᕈᑎᕕᓂᕐᓂᒃᓗ
- ᐸᕐᓇᐅᑎᖃᕐᓗᑎᒃ ᕿᒪᐃᓂᕐᒧᑦ ᒪᑐᔭᐅᓂᕐᒧᓪᓗ.

- ᖃᐃᒃᖃᒃᑕᐅᔪᓂ ᑐᐊᐸᒃᑕᕐᕕᐅᕙᖅ
- ᒪᑐᓯᒪᓕᕐᑎᓪᓗᒍ ᖃᐅᔨᓴᕐᑕᐅᔪᓂ

ᑐᐊᐸᒃ ᕿᕐᓂᕐᑕᖅ ᖃᓂᒋᔭᓂᕐᑐᖅ ᕿᕐᓂᕐᑕᐅᓪᓗᓂ ᕿᕐᓇᖓᓪᓗᓂᓗ ᐅᔭᕋᖕᒋᑦ ᐃᕙᓂᖃᕐᑐᖅ 180 ᒥᑕᒥᒃ. ᓯᐅᕋᖅ ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᒋᔭᓂᕐᑐᖅ ᓯᐅᕋᐅᓗᓂ ᓯᐅᕋᐅᓂᖓᓗ ᐊᓕᒍᓚᖃᕐᓗᓂ ᐊᐅᐸᔪᕐᑐᒥᒃ ᑕᕐᓴᖃᕐᓂᕐᓴᐅᓪᓗᓂ.

ᐊᖏᓂᖓ ᑐᐊᐸᐅᑦ ᕿᕐᓂᕐᑕᖅ ᖃᐅᔨᓴᕐᑕᐅᓯᒪᕙᖅ ᐅᒃᑐᕋᕐᑕᐅᓪᓗᓂ ᖃᖓᓂᕐᑐᕐ ᐊᒻᒪᓗ ᓂᐅᕐᑐᕐᑕᐅᓪᓗᓂ ᐃᓗᓪᒍᑦ ᖃᐅᔨᔪᐅᓇᓱᒃᓗᓂ ᖃᓄᑎᒋ ᐃᕙᑎᒋᒃᒪᖓᑦ. ᓂᐅᕐᑐᒃᑲᓐᓂᖃᑦᑕᕐᓂᐊᕐᑐᑦ ᓴᓪᓗᒪᕐᓴᐃᓂᖏᓐᓂ ᐊᒥᒐᖏᑦᑎᐊᕋᓗᐊᕐᒪᖓᑦ ᖃᐅᔨᒪᔪᐅᓇᓱᒃᓗᓂ. ᑐᐊᒃᑕᕐᓂᕐᒍᑦ ᐸᕐᓇᐅᑎᒋᔭᖓ ᐊᖏᓂᖃᕐᑐᒥᒃ 1,350,000 ᐱᔭᐃᕕᐅᓂᐊᕐᑐᖅ ᖃᓇᔭᐅᓂᐊᕐᑐᒥᒃ ᐊᖏᓇᕐᓂᕐᓴᐅᓪᓗᓂ ᓇᓴᕐᑕᐅᓯᒪᕙᖅ. ᐊᖏᓂᕐᓴᒥᒃ ᖃᓕᕐᔨᔭᙵᐊᖃᕈᑎᒃ ᐱᕙᓐᓇᕐᓂᐊᕐᒥᕙᑦ ᐊᓯᖓᖓᓂᒃ ᑐᐊᒃᑕᕐᕕᐅᕙᒥᑦ.

ᖃᖓᓂᕐᑐᒥᑦ ᐊᒻᒪᓗ ᐃᓗᐊᓂᕐᑐᒥᑦ ᖃᐅᔨᓴᕐᓯᒪᕙᑦ ᓱᑲᕐᓇᕐᑐᖃᕐᓂᖓ ᖃᐅᔨᔭᐅᓇᓱᒃᓗᓂ. ᑐᑭᓯᔭᐅᓚᐅᕐᑐᖅ ᕿᕐᓂᕐᑕᖅ ᑐᐊᐸ ᐃᓴᒃᐸᓪᓕᐊᖏᓐᓂᖓᓂᒃ ᓱᑲᕐᓇᕐᑐᐃᓪᓗ ᓄᖃᖓᑎᑕᐅᕙᓐᓇᕐᓂᕐᖏᓐᓂᒃ.

ᐊᖏᓂᕐᓴᐅᕙᖅ ᑐᐊᐸ ᐱᔭᐅᓂᐊᕐᑐᖅ ᐱᖑᐊᓗᑦ ᖃᓂᒋᔭᓂᕐᑐᒥᑦ ᐊᒻᒪᓗ ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᒋᔭᓂᕐᑐᒥᑦ. ᑖᒃᑯᐊ ᒪᑭᕐ ᑐᐊᒃᑕᕐᕕᐅᕙᒃ ᓇᒪᒃᓂᐊᖓᑎᒃ ᐊᖏᓂᖓᓂᒃ ᐱᓇᓱᒃᓗᑎᒃ. ᑯᕕᕐᑕᕐᕕᐅᑦ ᖃᓂᒋᔭᖓᓂᒃᑲᓐᓂᕐᑐᑦ ᐱᕕᐅᑐᐃᓐᓇᕈᐊᖃᕐᒥᕙᖅ, ᑭᓯᐊᓂ ᒪᓂᕋᕐ ᖁᐊᖑᓕᕐᑎᓪᓗᒍ ᐱᔭᐃᕕᐅᒥᐊᕋᔭᖓᓚᑦ.ᐊᒃᑕᕐᕕᐅᑦ ᖃᓂᒋᔭᓂᕐᑐᕐ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᖅ ᖃᓕᒍᑕᐅᓗᓂ ᐊᒃᑕᕐᕕᒃᑯᑦ.

ᑐᐊᒃᑕᕐᕕᐅᕙᖅ ᐊᕿᒃᓯᖃᑦᑕᕐᓂᐊᕐᑐᑦ 5-ᒥᑕᒥᒃ ᐃᕙᓂᓕᒃᒥᒃ ᐱᔭᐃᕕᐅᕚᓪᓕᐊᓗᓂ . ᒪᑐᓯᒪᓕᕐᐸᑦ ᓯᕕᖓᕙᓐᓂᕐᑎᑕᐅᒐᔪᕐᑐᖅ. ᐊᒻᒪᓗ ᐱᔭᐃᕕᐅᓇᓱᒃᓗᓂ ᖃᕐᑎᑕᐅᖃᑦᑕᕐᓗᓂ ᓴᓕᒍᕐᑕᐅᕚᓪᓕᐊᓗᓂᓗ.

ᐃᓱᒪᒋᔭᐅᓪᓗᓂ ᖃᓄᑎᒋ ᑐᐊᒃᑕᖃᑦᑕᕐᓂᐊᕐᒪᖔᑕ ᓄᓇᓯᐅᑎᑦ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᐊᖏᓂᖏᑦ, ᖃᖓᒃᑯᕐᓂᖏᑦ ᐊᒻᒪᓗ ᐅᓯᔭᓐᓇᕐᓂᖏᑦ ᒪᓕᒃᓗᒋᑦ. ᖃᐅᔨᓴᕐᑕᐅᓪᓗᓂ ᐊᑐᕐᑕᐅᖃᑦᑕᕐᓯᒪᕙᑦ ᒪᓕᒃᓗᒋᑦ ᖃᓄᑎᒋ ᑐᐊᒃᑕᖃᑦᑕᓚᖓᖓᑕ ᐅᓪᓗᕐᒧᑦ ᒪᓕᒃᑕᐅᓂᐊᕐᑐᖅ. ᑖᒃᑯᐊᒃ ᑕᒪᕐᒥᒃ ᑐᐊᒃᑕᕐᕕᐅᕙᒃ ᐊᑕᐅᑦᑎᒃᑯᑦ ᑐᐊᒃᑕᕐᕕᐅᒧᑎᒃ ᐱᔭᐃᖃᑦᑕᔪᕐᑐᑦ 2,436 ᒥᑕᒥᒃ ᐅᓪᓗᕐᒧᑦ ᐃᑲᕋᓂᒃ 20-ᓂᒃ ᐃᖃᓇᐃᔭᕐᑐᖃᑦᑕᕐᓗᓂ. ᑕᓐᓇᓗ ᐊᖏᓂᖓ ᐱᔭᕐᑕᐅᒐᔪᕐᑐᖅ ᐱᔪᓐᓇᖃᕐᓂᖓ ᒪᓕᒃᓗᒍ. ᐃᓱᒪᒋᔭᐅᒋᓪᓗᓂ ᓂᐅᕐᑐᕐᖃᑦᑕᕐᓗᑎᒃ ᖃᕐᑎᕐᑎᖃᑦᑕᕐᓗᑎᒃᓗ ᐱᔭᐃᕐᑎᐊᕐᓯᒪᓂᐊᕈᑎᒃ ᑐᐊᒃᒥᒃ.

ᐱᓚᖓᑦ ᑐᐊᒃᑕᕐᕕᐅᒐᔪᕐᑐᖅ ᑭᓯᐊᓂ ᑖᒃᑯᐊ ᑕᒪᕐᒥᒃ ᑐᐊᖃᖏᓗᐊᓕᕈᑎᒃ. ᐃᓱᒪᒋᔭᐅᕙᖅ ᑕᓐᓇ ᖃᓇᒃᓇᒥᑦᑐᖅ ᑐᐊᒃᑕᕐᕕᐅᕙᖅ ᐱᔭᐃᕕᐅᖃᑦᑕᕐᔪᕐᑐᖅ ᐊᖏᓂᖃᕐᑐᒥᒃ 2,947 ᒥᑕ ᑭᐸᓐᓂᒃᓯᓪᓗᒍ ᐅᓪᓗᕐᒧᑦ, ᐊᒻᒪᓗ ᖃᓕᓐᓂᐊᖃᕐᑐᑦ ᑭᓯᐊᓂ ᐱᔪᓐᓇᕐᐸᑕ ᓯᐅᕋᒥᒃ ᖃᓕᕐᓯᑕᐅᓇᓱᒃᓚᑕ ᐊᖏᓂᖃᕐᑐᒥᒃ 2,526-ᒥᑕᒥᒃ ᓯᐅᕋᒥᒃ ᐱᔭᐃᒐᔪᕐᑐᑦ ᐅᓪᓗᕐᒧᑦ.

ᐱᓚᕐᑕᓕᕐᐸᑕ ᒥᑭᓐᓂᕐᓴᒥᒃ ᐱᔭᐃᖃᑦᑕᕐᓂᐊᕐᑐᑦ ᐅᑯᐊ ᐱᕙᑎᒋᓪᓗᒋᑦ:

- ᑐᐊᒃᑕᕐᓂᐅᑦ ᖃᖓᒃᑯᒐᔪᕐᓂᖓ ᓇᒥᓐᓂᖓᓗ ᒪᓕᒃᓗᒍ
- ᓄᓇᓯᐅᑎᑦ ᐊᑐᕐᑕᐅᕙᑦ ᒪᓕᒃᓗᒋᑦ
- ᓯᓚᐅᑦ ᖃᓄᐃᓕᖓᓂᖓ ᒪᓕᒃᓗᒍ

ᑐᐊᒃᑕᕐᑎᓪᓗᒋᑦ, ᖃᐅᔨᓴᕐᑎᐅᕙᑦ, ᐊᖏᕙᖃᖓᓪᓗ ᐅᐸᒃᓯᒪᒃᑲᕐᓂᐊᕐᑐᑦ. ᑐᐊᒃᑕᕐᑎᓪᓗᒋᑦ ᑖᒃᑯᐊ ᐃᖃᓇᐃᔭᕐᑎᑦ ᖃᐅᔨᓴᒃᑲᕐᓂᐊᖓᑕ ᓇᒋᔪᐅᕙᓪᓗ ᐱᔪᒃᑲᕐᔭᐊᖏᓪᓗᑎᒃ ᓱᓗ ᐅᔭᕋᐃᓐᓇᐅᓗᐊᕐᑐᑦ. ᖃᐅᔨᒪᓇᖓᑦ ᐅᔭᕋᐃᓐᓇᐅᓂᖏᑦ ᖃᐅᒪᓂᕐᓴᐅᒃᒪᑕ ᑕᕐᓴᖏᑦ. ᐊᒻᒪᓗ ᖃᐅᔨᓴᕐᑎᐅᕙᑦ ᖃᐅᔨᒪᓇᓱᒃᑲᕐᓂᐊᕐᑐᑦ ᐊᖏᕙᑕᐅᓗᐊᖏᒃᑲᓗᐊᖓᑕ ᑐᐊᒃᖏᑦ ᐊᒻᒪᓗ ᑐᐊᒃ ᒪᓕᒃᓯᒪᓚᐅᓗᐊᖓᑦ ᒪᓕᒡᓂᒃ ᖃᓄᐃᑦᑐᓯᓇᐊᖃᕐᑎᑕᐅᕙᒥᒃ.