



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR
Department of Municipal Affairs and Environment

CERTIFICATE OF APPROVAL

Pursuant to the Environmental Protection Act, SNL 2002 c E-14.2 Section 83

Issue Date: *January 22, 2018*

Approval No. AA18-015646

Expiration: *January 22, 2023*

File No. 732.425

Proponent: **Tacora Resources Inc.**
102 NE Third Street
Suite 120
Grand Rapids, MN 55744

Attention: Michael Twite - Environment & Government Affairs Manager

Re: **Tacora Mine**

Approval is hereby given for given for the operation of an iron ore mine and mill at Wabush, including: pit dewatering; processing ore to concentrate; and disposal of tailings at Flora Lake.

This Certificate of Approval does not release the proponent from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Nothing in this Certificate of Approval negates any regulatory requirement placed on the proponent. Where there is a conflict between conditions in this Certificate of Approval and a regulation, the condition in the regulation shall take precedence. Approval from the Department of Municipal Affairs and Environment shall be obtained prior to any significant change in the design, construction, installation, or operation of the Tacora Mine, including any future expansion of the Tacora Mine. This Certificate of Approval shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the proponent without obtaining prior approval from the Minister.

This Certificate of Approval is subject to the terms and conditions as contained therein, as may be revised from time to time by the Department. Failure to comply with any of the terms and conditions may render this Certificate of Approval null and void, may require the proponent to cease all activities associated with this Certificate of Approval, may place the proponent and its agent(s) in violation of the *Environmental Protection Act*, and will make the proponent responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete or modify conditions to correct errors in the Certificate of Approval or to address significant environmental or health concerns.

For **MINISTER**

TERMS AND CONDITIONS FOR APPROVAL No. AA18-015646

January 22, 2018

General

1. This Approval is for the operation of an iron ore mine and mill at Wabush, including: pit dewatering, processing ore to concentrate; and disposal of tailings at Flora Lake.
2. Any inquiries concerning this Approval shall be directed to the St. John's office of the Pollution Prevention Division (telephone: (709) 729-2556; or facsimile: (709) 729-6969).
3. In this Certificate of Approval:
 - **accredited** means the formal recognition of the competence of a laboratory to carry out specific functions;
 - **acutely lethal** means that the effluent at 100% concentration kills more than 50% of the rainbow trout subjected to it during a 96-hour period, when tested in accordance with the ALT;
 - **acid mine drainage** means any flow or drainage of water having a pH of less than 5.5 from areas affected by mining activities;
 - **ALT (acute lethality test)** means a test conducted as per Environment and Climate Change Canada's Environmental Protection Service reference method EPS/1/RM-13 Section 5 or 6;
 - **Department** means the Department of Municipal Affairs and Environment or its successors;
 - **Director** means the Director of the Pollution Prevention Division of the Department;
 - **discharge criteria** means the maximum allowable levels for the parameters listed in Table 3;
 - **DONCE** means Deposit Out of the Normal Course of Events;
 - **EDC** means Effluent Discharge Criteria as outlined in Table 5;
 - **EDMS** means environmental data management system;
 - **GAP** means *Storage and Handling of Gasoline and Associated Products Regulations, 2003*;
 - **grab sample** means a quantity of undiluted sample collected at any given time. In this Approval it refers to waste oil and effluent;
 - **hazardous waste** means a product, substance or organism that is intended for disposal or recycling, including storage prior to disposal or recycling, and that:

(a) is listed in Schedule III of the *Export and Import of Hazardous Waste Regulations under the Canadian Environmental Protection Act, 1999*;
(b) is included in any of Classes 2 to 6, and 8 and 9 of the *Transportation of Dangerous Goods Regulations* under the *Transportation of Dangerous Goods Act, 1992*; or
(c) exhibits a hazard classification of a gas, a flammable liquid, an oxidizer, or a substance that is dangerously reactive, toxic, infectious, corrosive or environmentally hazardous;

- **licensed** means has a Certificate of Approval issued by the Minister to conduct an activity;
- **malfunction** means any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, wastewater treatment equipment, process equipment, or a process to operate in a normal or usual manner. Failures, caused in part by poor maintenance or careless operation, are not malfunctions;
- **Minister** means the Minister of the Department;
- **Plan** means the specific plan as identified in the section of this Approval within which it is used. For example, in the *Waste Management Plan* section it refers to the Waste Management Plan;
- **PM_{2.5}** means particulate matter with a diameter of 2.5 µm or less;
- **QA/QC** means Quality Assurance/Quality Control;
- **register(ed)**, in the context of storage tanks, means that information regarding the storage tank system has been submitted to a Service NL office and a registration number has been assigned to the storage tank system.
- **regulated substance** means a substance subject to discharge limit(s) under the *Environmental Control Water and Sewage Regulations, 2003*;
- **SO₂** means sulfur dioxide;
- **SOP** means Standard Operating Procedure;
- **spill or spillage** means a loss of gasoline or associated product in excess of 70 litres from a storage tank system, pipeline, tank vessel or vehicle, or an uncontrolled release of any volume of a regulated substance onto or into soil or a body of water;
- **storage tank system** means a tank and all vent, fill and withdrawal piping associated with it installed in a fixed location and includes a temporary arrangement;
- **Tacora** means Tacora Resources Inc.
- **TDS** means total dissolved solids;
- **TIA** means Tailings Impoundment Area;

- **TIE** means Toxicity Identification Evaluation;
- **TOC** means total organic carbon;
- **TOHs (as chlorine)** means total organic halogens (as chlorine);
- **toxic pass** means a fish mortality rate of no more than 50% during the ALT;
- **TPH** means total petroleum hydrocarbons, as measured by the Atlantic PIRI method;
- **TPM** means total particulate matter with diameters less than 100µm;
- **TSS** means total suspended solids;
- **used lubricating oil** means lubricating oil that as a result of its use, storage or handling, is altered so that it is no longer suitable for its intended purpose but is suitable for refining or other permitted uses;
- **used oil** means a used lubricating oil or waste oil; and
- **waste oil** means an oil that as a result of contamination by any means or by its use, is altered so that it is no longer suitable for its intended purpose.

4. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies and guidelines, including the following, or their successors:

- *Environmental Protection Act;*
- *Water Resources Act;*
- *Air Pollution Control Regulations, 2004;*
- *Environmental Control Water and Sewage Regulations, 2003;*
- *Halocarbon Regulations;*
- *Storage and Handling of Gasoline and Associated Products Regulations, 2003;*
- *Used Oil Control Regulations;*
- *Heating Oil Storage Tank System Regulations, 2003;*
- *Storage of PCB Waste Regulations, 2003;*
- *Ambient Air Monitoring Guidance Document;*
- *Sampling of Water and Wastewater - Industrial Effluent Applications Guidance Document;*
- *Accredited Laboratory Policy;*
- *Precipitation Drainage of Dyke Areas Guidance Document;* and
- *Environmental Guidelines for Controlling Emissions of Volatile Organic Compounds from Above Ground Storage Tanks.*

This Approval provides terms and conditions to satisfy various requirements of the above listed acts, regulations, policies and guidelines. If it appears that any of the pertinent requirements of these acts, regulations, policies and guidelines are not being met, then a further review of the works shall be conducted, and suitable pollution control measures may be required by the Minister.

5. All reasonable efforts shall be taken to minimize the impact of the operation on the environment. Such efforts include:

- minimizing the area disturbed by the operation,
 - minimizing air or water pollution,
 - finding alternative uses, acceptable to the Director, for waste or rejected materials,
 - removing equipment or structures when they no longer have further use, and
 - considering the requirement for the eventual rehabilitation of disturbed areas when planning the development of any area on the facility property.
6. Tacora shall provide to the Department, within a reasonable time, any information, records, reports or access to data requested or specified by the Department.
 7. Tacora shall keep all records or other documents required by this Approval at the Tacora Mine for a period of not less than three (3) years, beginning the day they were made. These records shall be made available for review by officials of the Department or Service NL when requested.
 8. Should Tacora wish to deviate in any way from the terms and conditions of this Certificate of Approval, a written request detailing the proposed deviation shall be made to the Minister. Tacora shall comply with the most current terms and conditions until the Minister has authorized otherwise. In the case of meeting a deadline requirement, the request shall be made at least 60 days ahead of the applicable date as specified in this Approval or elsewhere by the Department.

Construction

9. Any work that must be performed in a body of water below the high water mark shall be carried out during a period of low water levels, unless otherwise permitted in writing by the Department.
10. All construction operations shall be carried out in a manner that minimizes damage to land, vegetation, and watercourses, and which prevents pollution of bodies of water in excess of applicable regulatory limits.
11. The use of heavy equipment shall be confined to dry stable areas and shall not be carried out in streams or bodies of water, unless otherwise permitted in writing by the Department.
12. All vehicles and equipment shall be in good repair, and shall be free of leaks of oil or other harmful substances that could impair water quality.
13. During the construction of concrete components, formwork shall be properly constructed to prevent any fresh concrete from entering a body of water. Dumping of concrete or washing of tools and equipment in any body of water is prohibited.
14. Waste hardened concrete shall not be disposed as unsuitable material at the project site. Waste hardened concrete shall be put to beneficial use on site as fill material, or it shall be sent to an approved waste disposal site.
15. All areas affected by this project shall be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if necessary in the opinion of this Department.

16. Prior written permission is required from the Department for all work that takes place in a body of water, including but not limited to bridges, culverts, fording, stream modifications, infilling and dredging.

Waste Management

17. All waste generated at the facility is subject to compliance with the *Environmental Protection Act*. All non-industrial waste shall be stored in a manner acceptable to the Department and, on at least a weekly basis, be disposed of:
- at an authorized waste disposal site, with the permission of the owner/operator of the site; or
 - by some other means acceptable to the Department.

If required, industrial waste shall be disposed of by a licensed operator.

18. Tacora shall ensure that all volatile chemical and solvent wastes, if they cannot be reused, are placed in suitable covered containers for disposal in a manner acceptable to the Department. Disposal of liquid wastes at waste disposal sites in the province is not permitted.
19. Disposal of hazardous waste in a municipal or regional waste disposal site in this Province is prohibited. Transporters of hazardous waste shall have an approval issued by the Minister. Those generating hazardous waste shall have a waste generator's number issued by the Director and shall also complete the required information outlined in the Waste Manifest Form.

Waste Management Plan

20. Tacora shall submit a Waste Management Plan for their Tacora Mine. With the goal of minimizing adverse effects on the environment, the Plan shall: be comprehensive, including all operations within the Tacora Mine; identify the types of waste materials (i.e. boiler ash, sewage, empty chemical packaging, etc.); provide general direction in dealing with the handling, storage, transport, treatment and disposal of waste materials; and incorporate the basic waste management principles of reduce, reuse, recycle, recover and residual disposal. An outline of the Plan shall be submitted to the Director for review by **May 22, 2018**. The outline shall include a schedule of dates for preparation and implementation for each section of the Plan. The completed Plan shall then be submitted to the Director for review by **September 22, 2018**. Every year the Plan shall be reviewed and revised as necessary, accounting for expanding or alteration of activities. All proposed revisions shall be submitted to the Director for review. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

Acid Generating Waste Rock

21. Only non-acid generating waste rock shall be reused on the surface. If waste rock is identified as potentially acid generating or metal leaching, an appropriate waste rock management program shall be developed to handle, store, and appropriately dispose of the material.

22. This identification shall be in accordance with MEND Report 1.20.1, *Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials*.

Open Burning

23. Materials listed in Table 1 shall not be burned in open fires.

Table 1 - Material Not Approved for Open Burning	
tires	manure
plastics	rubber
treated lumber	tar paper
asphalt and asphalt products	railway ties
drywall	paint and paint products
demolition waste	fuel and lubricant containers
hazardous waste	used oil
biomedical waste	animal cadavers
domestic waste	hazardous substances
trash, garbage, or other waste from commercial, industrial or municipal operations	materials disposed of as part of the removal or decontamination of equipment, buildings or other structures

24. The Department shall be notified prior to the burning of any materials not listed in Table 1.

Noise

25. Efforts shall be made to minimize and control noise resulting from the Tacora Mine's operational activities. All vehicles operating within the facility shall have exhaust and muffling devices in good working order.

Dust Suppression

26. Tacora shall control dusting resulting from construction and operational activities at the site. Use of dust suppressants other than water or calcium chloride shall require approval of the Director. Tacora are encouraged to use best management practices when applying calcium chloride or any other approved dust suppressant.
27. Tacora shall continue with the progressive rehabilitation work in the Rehabilitation and Closure Plan (as amended) that has been approved by the Department of Natural Resources.

Spill Prevention & Containment

28. Areas in which chemicals are used or stored shall have spill containment systems constructed with impermeable floors, walls, dykes or curbs as applicable and be configured, maintained, inspected and repaired as follows:
- they shall not discharge to the environment;
 - they shall have an effective secondary containment capacity of at least 110% of the chemical storage tank capacity, in the case of a single storage container;
 - if there is more than one storage container, the spill containment system shall be able to retain no less than 110% of the capacity of the largest container or 100 % of the capacity of the largest container plus 10% of the aggregate capacity of all additional containers, whichever is greater;
 - they shall be kept clear of material that may compromise the containment capacity;
 - they may include a floor drain system provided that the floor drains, and the place or device to which they drain, are configured in such a manner that the required effective secondary containment capacity is maintained;
 - every year they shall be visually inspected for their liquid containing integrity, and repairs shall be made when required; and
 - once every ten years, spill containment systems shall be inspected, by a means other than visual inspection, for their liquid containing integrity, and repairs shall be made when required.
29. All on site storage of petroleum shall comply with the *Storage and Handling of Gasoline and Associated Products Regulations, 2003*, or its successor. Storage tank systems shall be registered with Service NL. All aboveground storage tanks shall be clearly and visibly labelled with their GAP registration numbers.
30. Where applicable, all tanks and fuel delivery systems shall be inspected to appropriate American Petroleum Institute or Underwriters' Laboratories of Canada standards, or any other standards acceptable to this Department. The required frequency of inspections may be changed at the discretion of the Director.
31. An inventory of all petroleum and chemical storage tanks shall be submitted to the Director for review by **July 22, 2018**. This inventory shall include the following:
- site plan showing tank location,
 - registration number (where applicable),
 - identification number,
 - material stored,
 - capacity,
 - annual throughput,
 - tank material,
 - tank type,
 - tank diameter,
 - tank height,
 - tank colour,
 - roof type,
 - year of manufacture,
 - date of installation,
 - date of last inspection,
 - failure history,
 - maintenance history,

- dyke capacity, and
- date of next planned inspection.

Every two (2) years, an update of any changes to the inventory shall be submitted to the Director.

32. Refuelling and maintenance of vehicles and equipment shall, whenever possible, be undertaken on a prepared impermeable surface with an oil containment or collection system. When this is not possible, due care shall be taken to prevent spillage on the ground and to the surrounding environment, particularly streams and other water bodies. The Contingency Plan for fuel storage shall detail the specific response actions in the event of a spill from refuelling or maintenance activities.

Contingency Plan

33. A Contingency Plan for the operation of Tacora Mine shall be submitted to the Director for review by **July 22, 2018**. The Plan shall clearly describe the actions to be taken in the event of a spill of a toxic or hazardous material. It shall include, as a minimum: notification and alerting procedures; duties and responsibilities of the “on-scene commander” and other involved staff; spill control and clean-up procedures; restoration of the spill site; information on disposal of contaminants; and resource inventory. Copies of the Plan shall be placed in convenient areas throughout the facility so that employees can easily refer to it when needed. Tacora shall ensure that all employees are aware of the Plan and understand the procedures and the reporting protocol to be followed in the event of an emergency. An annual response exercise is recommended for response personnel. Every year, as a minimum, the Plan shall be reviewed and revised as necessary. Any proposed significant revisions shall be submitted to the Director for review. Changes which are not considered significant include minor variations in equipment or personnel characteristics which do not effect implementation of the Plan.
34. Every time Tacora implements the Contingency Plan, information shall be recorded for future reference. This will assist in reviewing and updating the Plan. The record is to consist of all incidents with environmental implications, and include such details as:
- date;
 - time of day;
 - type of incident (i.e. liquid spill, gas leak, granular chemical spill, equipment malfunction, etc.);
 - actions taken;
 - problems encountered; and
 - other relevant information that would aid in later review of the Plan performance.

Each incident report shall be submitted to the Director as per the **Reporting** section.

Rehabilitation & Closure Plan

35. Tacora shall satisfy all the rehabilitation and closure planning and financial assurance requirements of the Mining Act for the Tacora Mine.

36. The Rehabilitation and Closure Plan (*June 2017 or as amended*) shall be reviewed annually by Tacora and revised as necessary. All revisions to the Plan as approved by the Department of Natural Resources shall be submitted to the Director.

Used Oil

37. Used oil shall be retained in an approved tank or closed container. If it is not blended with Bunker C and combusted then it must be disposed of by a company licensed for handling and disposal of used oil products.

Fuel & Consumption

38. Prior to delivery, Tacora shall obtain a Bunker C certificate-of-analysis per shipment for the constituents listed in Table 2.
39. Prior to blending a batch of used oil with Bunker C, Tacora shall obtain a used oil certificate-of-analysis per batch for the constituents listed in Table 2.

Table 2 – Fuel Assay Parameters
A.P.I. Gravity @ 60 °F
Density (kg/m3 @ 15°C)
Flash Point
Pour Point
Sulfur % by weight
BTU's per US Gallon
Ash % by weight
Sediment % by weight
Water % by volume
Polychlorinated Biphenyls (PCBs)
Total Organic Halogens (as chlorine)
Complete metal scan

40. Only used oil from the Tacora Mine shall be blended with Bunker C for combustion. Furthermore, the used oil batch's certificate-of-analysis shall indicate that there are no exceedences of the parameters as indicated in Table 3, otherwise, the used oil is deemed unsuitable for combustion it shall be disposed by a licenced used oil collector.

Table 3 – Combustible Used Oil	
CONTAMINANT	CONCENTRATION (mg/kg)
Polychlorinated Biphenyls (PCBs)	5
Total Organic Halogens (as chlorine)	1000
Cadmium	2
Chromium	10
Lead	100
Ash	9,000
Sulphur	5,000

41. The maximum volume of used oil (restricted to on-site sources) added to the Bunker C bulk storage tanks shall be less than 10% of the Bunker C combusted during the previous year. This percentage shall not be increased until Tacora has requested, in writing, an increase and written permission from the Director has been given. Additional conditions may be required for such an increase.
42. Tacora shall maintain and submit to the Director on a monthly basis the following:
- supplier, date, volume and of Bunker C shipment;
 - daily volume of Bunker C, diesel fuel and used oil combusted;
 - percentage of used oil substituted for Bunker C;
 - volume of used oil deemed unsuitable for combustion;
 - certificate-of-analysis for each shipment of Bunker C, and batch of used oil to be combusted; and
 - name of the laboratory where the assays were performed.
- When necessary, best estimates may be used. These shall be submitted as per the **Reporting** section.
43. In the event that problems develop with respect to used oil analysis or combustion, the Director may give Tacora written notice prohibiting further combustion of used oil. Tacora shall be capable of ceasing the combustion of used oil upon notification of the Director.
44. When required by Service NL, Tacora shall notify them that the used oil suitable for combustion is being mixed with Bunker C. The written notification shall include the tank identification number(s), tank location, and the anticipated maximum percentage used oil content. A copy of the notification shall be provided to the Director.
45. Tacora is permitted to accept and burn alternative fuel only with the written approval of the Department.

Effluent Monitoring & Discharge

46. Tacora shall perform an Effluent Monitoring Program as per Table 4. Refer to Table 5 for the Effluent Discharge Criteria (EDC). The applicable limits for the effluent discharge are listed in Table 5. Analytical results shall be submitted as per the **Reporting** section.

Table 4: Effluent Monitoring Program			
EDMS Location Code	Location	Parameters	Frequency
00306	Tailings Line Emergency Dump Basin #1 (Settling Basin)	pH and TSS	Weekly (at least 24 hours apart)
		ALT and TPH	Monthly (at least 15 days apart)
		EDC (except ALT)	Weekly (at least 24 hours apart)
00307	East Pit 2 Dewatering (Sylvio Settling Basin)	pH and TSS	Weekly (at least 24 hours apart)
		ALT and TPH	Monthly (at least 15 days apart)
		EDC (except ALT)	Weekly (at least 24 hours apart)
00308	West Pit Dewatering (Settling Basin)	pH and TSS	Weekly (at least 24 hours apart)
		ALT and TPH	Monthly (at least 15 days apart)
		EDC (except ALT)	Weekly (at least 24 hours apart)
00309	Knoll Lake Discharge (Settling Basin)	pH and TSS	Weekly (at least 24 hours apart)
		ALT and TPH	Monthly (at least 15 days apart)
		EDC(except ALT)	Weekly (at least 24 hours apart)
00310	Flora Lake Discharge	pH and TSS	Weekly (at least 24 hours apart)
		ALT and TPH	Monthly (at least 15 days apart)
		EDC(except ALT)	Weekly (at least 24 hours apart)

47. Refer to Table 5 for the Effluent Discharge Criteria (EDC).

Table 5: Effluent Discharge Criteria			
Parameter	Maximum Authorized Monthly Concentration	Maximum Authorized Mean Concentration in a Composite Sample	Maximum Authorized Concentration in a Grab Sample
Arsenic	0.50 mg/L	0.75 mg/L	1.00 mg/L
Copper	0.30 mg/L	0.45 mg/L	0.60 mg/L
Lead	0.20 mg/L	0.30 mg/L	0.40 mg/L
Nickel	0.50 mg/L	0.75 mg/L	1.00 mg/L
Zinc	0.50 mg/L	0.75 mg/L	1.00 mg/L
Total Suspended Solids	15.00 mg/L	22.50 mg/L	30.00 mg/L
Radium 226	0.37 Bq/L	0.74 Bq/L	1.11 Bq/L
Acute Lethality	Toxic Pass		
pH	5.5 to 9 pH units		

48. Tacora may reduce the frequency of testing for a parameter that is set out in the EDC with the exception of pH, TSS, ALT and Radium 226 to not less than once in each calendar quarter if that parameter's monthly mean concentration in the effluent is

less than 10 percent of the maximum authorized monthly mean concentration for the 12 consecutive months immediately preceding the most recent test. Tacora shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.

49. Tacora may reduce the frequency of testing for Radium 226 to not less than once in each calendar quarter if that substance's concentration in the effluent is less than 0.037Bq/L in 10 consecutive tests. Tacora shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.
50. Tacora shall increase the frequency of testing to the originally prescribed frequency for a parameter that is set out in the EDC with the exception of pH, TSS and ALT, if the parameter's monthly mean concentration is equal to or greater than 10 percent of the maximum authorized monthly mean concentration.
51. Tacora may reduce the frequency of conducting ALT's to once in each calendar quarter if the effluent is determined not to be acutely lethal over a period of 12 consecutive months. Tacora shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.
52. If a sample is determined to be acutely lethal, an aliquot of the failing sample shall be analyzed for the parameters outlined in Table 6 without delay.
53. If a sample is determined to be acutely lethal, Tacora shall collect a grab sample from the final discharge point of the failing site and conduct an ALT in accordance with Section 6 of the Reference Method. Samples shall be collected twice per month, not less than 7 days apart, and an ALT shall be conducted on each sample, until it is determined that the effluent is not acutely lethal for three consecutive tests. Following the third consecutive non-acutely lethal test, Tacora shall conduct ALT's as per the original prescribed frequency outlined in Table 4.
54. If effluent is determined to be acutely lethal for three consecutive ALTs, Tacora shall implement a Toxicity Identification Evaluation (TIE) to identify the toxin, and from this develop measures to prevent or reduce the toxin. The report, written as a result of these identification activities, shall be submitted to the Director for review, **within 60 days** of the third consecutive failed ALT result. After review of the report, the Director may place additional requirements upon the proponent for treatment of effluent prior to discharge.
55. All oil water separators shall be checked routinely to ensure they are working properly. A log of these checks shall be maintained by Tacora.
56. Reports submitted under Section 31 of MMER as a result of a deposit out of the normal course of events (DONCE) shall be provided to the Department.

Water Chemistry Analysis

57. Four times per calendar year and not less than thirty (30) days apart, Tacora shall perform Water Quality Analysis as per **Table 6**. Refer to **Table 6** for the locations and required parameters. Analytical results shall be submitted as per the **Reporting** section.

Table 6: Water Chemistry Analysis Program

EDMS Location Codes	Location	Parameters
00306	Tailings Line Emergency Dump Basin #1 (Settling Basin)	<p>General Parameters: temperature, dissolved oxygen (DO), nitrate + nitrite, nitrate, nitrite, pH, TSS, colour, sodium, potassium, calcium, sulphide, magnesium, ammonia, alkalinity, sulphate, chloride, turbidity, reactive silica, orthophosphate, phosphorous, DOC, conductance, TDS (calculated), phenolics, carbonate (CaCO₃), hardness (CaCO₃), bicarbonate (CaCO₃)</p> <p>Metals Scan: aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, mercury, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc</p>
00307	East Pit 2 Dewatering (Sylvio Settling Basin)	
00308	West Pit Dewatering (Settling Basin)	
00309	Knoll Lake Discharge (Settling Basin)	
00310	Flora Lake Discharge	
00313	West Pit Deep Well	
00314	Tailings Line	
00315	Jean River	
00316	Walsh River	
00317	Vivot Lake	
00318	Long Lake	
00319	Wabush Narrows	
00322	Flora Outlet Arm	

Environmental Effects Monitoring

58. Study designs and subsequent reports for Environmental Effects Monitoring (EEM, under MMER) shall be developed by Tacora and a copy of the study designs and reports shall be submitted to the Department for information.

Ambient Air

59. Tacora shall operate an ambient air monitoring program as per the conditions in this Approval and its amendments. Approval shall be obtained from the Director prior to purchase or installation of any monitoring equipment.
60. Parameters to be monitored are outlined in Table 7.

Table 7 – Ambient Air Monitoring Program	
Site	Parameter
Station #1- Provincial Building	SO ₂ ,
Station #1 - Provincial Building	PM _{2.5}
Station #1 - Provincial Building	TPM
Station #2 – Smallwood School	PM _{2.5}
Station #2 – Smallwood School	TPM

61. Ambient air monitoring shall be done in accordance with the *Ambient Air Monitoring Guidance Document (GD-PPD-065)*, or its successors.
62. Information regarding calibrations, site visits and maintenance for all continuous ambient air monitors shall be recorded into the DR DAS electronic logbook.
63. The ambient air quality standards specified in Schedule A of the *Air Pollution Control Regulations, 2004*, shall apply to all points outside of Tacora’s two administrative boundaries. The administrative boundaries are defined as the areas encompassed by the coordinates contained in Appendix B. All coordinates are referenced to NAD 83, UTM zone 19.

Annual Air Emissions Reporting

64. Tacora shall submit an annual Air Emission Report to the Director by *February 28* of the subsequent year. This report shall include:
 - the estimated annual emissions of the following flue gas constituents: SO₂, NO_x, CO₂, CO, TPM , and PM_{2.5}; and
 - the actual calculations including factors, formulae and/or assumptions used.

Pollution Control Equipment

65. All pollution control equipment shall be maintained and operated in a manner that ensures optimum performance.
66. The Director reserves the right to require the installation of additional pollution control equipment by Tacora within a reasonable time frame, as necessary to bring Tacora into compliance with the *Air Pollution Control Regulations, 2004*.

Stack Emissions Testing & Dispersion Modelling

67. Stack emissions testing shall be done in accordance with the *Stack Emission Testing Guidance Document (GD-PPD-016.1)*. Dispersion Modeling shall be done in accordance with the *Plume Dispersion Modeling Guidance Document (GD-PPD-019.2)*. Determination of frequency of stack emissions testing and dispersion modeling shall be done in accordance with the *Compliance Determination*

Guidance Document (GD-PPD-009.4).

68. Tacora shall be required to complete stack emissions testing once every four years if it has been shown, via a registered dispersion model, that the operation is in compliance with section 3(2) and Schedule A of the *Air Pollution Control Regulations, 2004*. If it has been shown, via a registered dispersion model, that the operation is not in compliance with section 3(2) and Schedule A of the *Air Pollution Control Regulations, 2004*, then the facility shall complete stack emissions testing every two years.
69. Plume dispersion modelling results shall be submitted to the Department within 120 days of acceptance of the stack emissions testing results by the Department.

Analysis & QA/QC

70. Unless otherwise stated herein, all solids and liquids analysis performed pursuant to this Approval shall be done by either a contracted commercial laboratory or an in-house laboratory. Contracted commercial laboratories shall have a recognized form of accreditation. In-house laboratories have the option of either obtaining accreditation or submitting to an annual inspection by a representative of the Department, for which Tacora shall be billed for each laboratory inspection in accordance with Schedule 1 of the *Accredited Laboratory Policy (PD:PP2001-01.02)*. Recommendations of the Director stemming from the annual inspections shall be addressed within 6 months, otherwise further analytical results shall not be accepted by the Director.
71. If Tacora wishes to perform in-house laboratory testing and submit to an annual inspection by the Department then a recognized form of proficiency testing recognition shall be obtained for compliance parameters for which this recognition exists. The compliance parameters are listed in the *Effluent and Monitoring* section. If using a commercial laboratory, Tacora shall contact that commercial laboratory to determine and to implement the sampling and transportation QA/QC requirements for those activities.
72. The exact location of each sampling point shall remain consistent over the life of the monitoring programs, unless otherwise approved by the Director. Using a GPS or similar device, the northing and easting of each sampling location shall be recorded and submitted by **July 22, 2018** to the Director.
73. Tacora shall bear all expenses incurred in carrying out the environmental monitoring and analysis required under conditions of this Approval.

Monitoring Alteration

74. The Director has the authority to alter monitoring programs or require additional testing at any time when:
- pollutants might be released to the surrounding environment without being detected;
 - an adverse environmental effect may occur; or

- it is no longer necessary to maintain the current frequency of sampling and/or the monitoring of parameters.

75. Tacora may, at any time, request that monitoring programs or requirements of this Approval be altered by:

- requesting the change in writing to the Director; and
- providing sufficient justification, as determined by the Director.

The requirements of this Approval shall remain in effect until altered, in writing, by the Director.

Reporting

76. Monthly reports containing the environmental compliance monitoring and sampling information required in this Approval shall be received by the Director in digital format within 30 calendar days of the reporting month. All related laboratory reports shall be submitted with the monthly report in XML format and Adobe Portable Document Format (PDF). Digital report submissions shall be uploaded through the EDMS web portal. The Pollution Prevention Division shall provide details of the portal web address and submission requirements.

77. Each monthly report shall include a summary of all environmental monitoring components and shall include an explanation for the omission of any requisite data. The monthly summary reports shall be in Microsoft Word or Adobe PDF and shall be uploaded through the EDMS web portal with the data submissions.

78. All incidents of:

- *Contingency Plan* implementation; or
- non-conformance of any condition within this Approval; or
- spillage or leakage of a regulated substance; or
- discharge criteria being, or suspected of being, exceeded; or
- verbal or written complaints of an environmental nature received from the public by Tacora and related to the Tacora Mine, including complaints submitted anonymously;

shall be immediately reported, within one working day, to the Department.

A written report including a detailed description of the incident, summary of contributing factors, and an Action Plan to prevent future incidents of a similar nature, shall be submitted to the Department. The Action Plan shall include a description of actions already taken and future actions to be implemented, and shall be submitted within thirty days of the date of the initial incident.

79. Any spillage or leakage of gasoline or associated product shall be reported

immediately through the Canadian Coast Guard at 1-(709)-772-2083.

Liaison Committee

80. The Department recognizes the benefits, and at times the necessity, of accurate, unbiased communication between the public and industrial operations which have an impact on the properties and residents in the area. The Department encourages the formation and regular meeting of a Liaison Committee comprised of representatives of Tacora, the Department and independent members of the general population of Labrador City and Wabush. Regular meetings of the Liaison Committee will provide a clear conduit of communication between concerned citizens and Tacora. The Director reserves the right to require the formation of a Liaison Committee should it is deemed necessary.

Expiration

81. This Certificate of Approval expires *January 22, 2023*.
82. Should the proponent wish to continue to operate the Tacora Mine beyond this expiry date, a written request shall be submitted to the Director for the renewal of this Approval. Such request shall be made prior to *July 22, 2022*.

APPENDIX A

Rehabilitation & Closure Plan Guideline

This appendix is intended to provide guidance for the development of a Rehabilitation and Closure Plan Guidelines and to identify areas that are of particular concern or interest. The points presented are not set and are open to interpretation and discussion.

The Plan is intended to present the scope of activities that Tacora shall undertake at the time of final closure and/or abandonment of the Tacora Mine properties. Where it is useful and practical to do so the company is encouraged to begin undertaking some of the activities outlined in the Plan prior to final closure and abandonment. The objectives of the restoration work to be undertaken can be summarized as follows:

- to ensure that abandoned mine facilities do not endanger public health or safety;
- to prevent progressive degradation and to enhance the natural recovery of areas affected by mining activities;
- to ensure that mine facilities, wastes and tailings are abandoned so that the requirement for long term maintenance and monitoring is minimized;
- to mitigate, and if possible prevent, the continued loadings of contaminants and wastes to the environment. The primary objective shall be to prevent the release of contaminants into the environment. Where prevention is not practical due to technical or economic limitations then activities intended to mitigate the consequence of such a release of contaminants shall become the objective of restoration work;
- to mitigate, and if possible prevent, the formation of acid mine drainage. The primary objective shall be to prevent the formation of acid mine drainage. Where prevention is not practical due to technical or economic limitations, then activities intended to mitigate the consequences of the formation of acid mine drainage shall become the objective of restoration work; and
- to return affected areas to a state compatible with the original undisturbed condition, giving due consideration to practical factors including economics, aesthetics, future productivity and future users.

In particular the following areas should be addressed in the Plan:

Mill and Service Buildings

- The mill processing equipment shall be washed and cleaned of all ore residues. This activity shall remove all concentrate and chemical bearing residues from the milling circuit with the washed residues being treated through the effluent treatment plant and ultimately discharged into the tailings impoundment area.
- The equipment and internal fittings contained in both the mill and service buildings shall be dismantled, removed and sold for their salvage value. Items with no salvage value shall be disposed of according to section 30 of the Environmental Protection Act.
- All buildings are to be dismantled and removed from the site. All concrete walls, footings, foundations or floor slabs of the mill and service buildings should be

demolished to ground level. All openings or indentations below ground level are to be backfilled to ground level. Fill material shall be non-contaminated soil or concrete from demolition. All other outbuildings and pipe racks in the immediate vicinity of the mill and service buildings, and elsewhere on the property should be removed using the same philosophy.

- All buried pipelines and electrical cables may be left in place in the ground. Where these pipes or cables come to surface they should be cut off below ground level and buried with local fill. If oil filled power cables are to be left in place in the ground they shall be purged. Pipelines are to be purged of all residual materials and capped before backfilling. Tacora shall provide the Department with drawings showing the location of all buried pipes and cables which are to remain after the mine's closure.

Fuel Storage Facilities

- All of the fuel storage facilities, including fuel handling equipment and pipelines, at the mine site shall be emptied and removed from the site according to the *Storage and Handling of Gasoline and Associated Products Regulations, 2003*.

Tailings

- The tailings impoundment areas should be left in a condition, acceptable to this Department, to prevent the generation of acid mine drainage and dust. Runoff from impoundment areas is to be directed to an outflow where drainage from the area can be monitored.

Till Borrow Areas/Quarries

- The till borrow areas/quarries used by Tacora should be graded to ensure natural runoff patterns and then revegetated to mitigate future erosion. Till borrow areas/quarries shall be closed out in accordance with the permits already issued by this Department and the Department of Natural Resources.

APPENDIX B

Administrative Boundary Graphic



Note: The graphic is provided as an approximate illustration of the administrative boundary and is not intended for compliance determination.

West Administrative Boundary Coordinates (Mine Site)

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
1	641939.055	5864809.348	54	641840.623	5864321.260	107	642237.615	5863439.722	160	642545.200	5862642.536
2	641940.998	5864806.999	55	641841.222	5864319.664	108	642240.325	5863435.574	161	642545.409	5862641.063
3	641953.000	5864781.003	56	641849.499	5864299.384	109	642243.680	5863431.928	162	642546.625	5862636.260
4	641954.767	5864769.741	57	641853.065	5864290.647	110	642247.060	5863429.240	163	642548.312	5862632.297
5	641954.834	5864769.313	58	641858.132	5864278.233	111	642266.060	5863416.241	164	642603.842	5862524.154
6	641961.000	5864730.000	59	641862.166	5864268.578	112	642266.591	5863415.887	165	642606.399	5862514.579
7	641959.212	5864722.052	60	641864.373	5864264.165	113	642270.948	5863413.528	166	642612.153	5862457.967
8	641952.002	5864689.996	61	641877.167	5864238.585	114	642273.268	5863412.624	167	642612.408	5862456.063
9	641922.002	5864668.999	62	641877.614	5864237.726	115	642302.046	5863402.755	168	642613.373	5862452.027
10	641912.998	5864634.004	63	641880.324	5864233.578	116	642314.847	5863390.532	169	642621.209	5862427.028
11	641925.000	5864588.995	64	641883.680	5864229.933	117	642315.429	5863389.176	170	642626.308	5862410.763
12	641925.146	5864583.902	65	641884.796	5864228.954	118	642316.615	5863386.726	171	642634.377	5862385.023
13	641923.525	5864583.902	66	641885.974	5864227.973	119	642318.886	5863383.156	172	642634.629	5862384.256
14	641918.638	5864583.087	67	641931.420	5864137.074	120	642375.885	5863306.147	173	642636.701	5862379.569
15	641913.951	5864581.478	68	641955.845	5864070.651	121	642376.325	5863305.569	174	642639.633	5862374.292
16	641909.594	5864579.120	69	641956.617	5864068.755	122	642379.680	5863301.923	175	642650.000	5862326.771
17	641905.684	5864576.077	70	641973.617	5864030.750	123	642382.519	5863299.613	176	642649.998	5862318.005
18	641904.114	5864574.521	71	641974.618	5864028.722	124	642428.909	5863266.356	177	642650.407	5862313.064
19	641889.114	5864558.518	72	641975.865	5864026.626	125	642455.118	5863207.521	178	642651.586	5862308.372
20	641887.328	5864556.428	73	642017.661	5863962.463	126	642459.869	5863196.854	179	642669.571	5862255.313
21	641884.618	5864552.280	74	642037.892	5863918.489	127	642473.568	5863166.100	180	642665.111	5862203.572
22	641882.627	5864547.743	75	642047.282	5863850.871	128	642491.939	5863094.544	181	642665.000	5862200.996
23	641881.411	5864542.940	76	642047.406	5863850.060	129	642492.612	5863092.294	182	642665.409	5862196.058
24	641881.294	5864541.524	77	642048.623	5863845.257	130	642505.620	5863054.270	183	642666.650	5862191.184
25	641833.288	5864495.702	78	642049.651	5863842.662	131	642507.615	5863049.717	184	642696.677	5862105.117
26	641830.327	5864492.428	79	642055.582	5863829.512	132	642509.848	5863046.200	185	642698.619	5862100.721
27	641827.617	5864488.280	80	642059.356	5863821.147	133	642532.650	5863015.253	186	642700.316	5862097.954
28	641825.627	5864483.742	81	642072.144	5863792.798	134	642532.724	5863014.148	187	642728.115	5862057.693
29	641824.411	5864478.939	82	642082.729	5863762.968	135	642525.123	5862987.115	188	642765.167	5861983.587
30	641824.001	5864474.004	83	642084.618	5863758.723	136	642524.412	5862983.933	189	642765.616	5861982.725
31	641823.999	5864452.997	84	642085.315	5863757.503	137	642524.003	5862978.995	190	642768.326	5861978.577
32	641824.409	5864448.058	85	642120.311	5863699.502	138	642524.412	5862974.057	191	642770.783	5861975.794
33	641825.625	5864443.255	86	642122.324	5863696.574	139	642525.289	5862970.306	192	642780.781	5861965.792
34	641827.615	5864438.717	87	642125.679	5863692.929	140	642547.000	5862898.560	193	642781.679	5861964.930
35	641830.325	5864434.569	88	642127.796	5863691.153	141	642546.999	5862875.508	194	642785.589	5861961.887
36	641831.704	5864432.924	89	642165.795	5863662.150	142	642533.812	5862819.924	195	642789.376	5861959.786
37	641840.705	5864422.925	90	642167.589	5863660.882	143	642533.411	5862817.937	196	642858.379	5861927.785
38	641842.683	5864420.925	91	642168.951	5863660.043	144	642533.002	5862812.999	197	642858.950	5861927.528
39	641846.593	5864417.882	92	642233.867	5863622.411	145	642533.411	5862808.061	198	642863.636	5861925.919
40	641850.950	5864415.524	93	642236.988	5863618.945	146	642534.628	5862803.258	199	642868.523	5861925.104
41	641852.367	5864414.945	94	642237.510	5863617.902	147	642536.618	5862798.720	200	642871.859	5861925.013
42	641865.508	5864409.964	95	642236.593	5863604.651	148	642537.017	5862798.006	201	642933.950	5861926.791
43	641867.380	5864394.375	96	642207.670	5863559.071	149	642548.002	5862778.967	202	642938.030	5861924.631
44	641865.977	5864390.402	97	642206.616	5863557.275	150	642548.002	5862776.795	203	642954.996	5861902.006
45	641848.790	5864373.216	98	642204.626	5863552.738	151	642539.945	5862745.479	204	642974.541	5861841.515
46	641846.328	5864370.428	99	642203.410	5863547.935	152	642539.408	5862742.942	205	642976.618	5861836.718
47	641843.618	5864366.280	100	642203.029	5863544.299	153	642538.999	5862738.004	206	642979.328	5861832.570
48	641841.628	5864361.743	101	642202.030	5863521.305	154	642539.408	5862733.066	207	642982.370	5861829.217
49	641840.411	5864356.940	102	642202.002	5863520.003	155	642539.581	5862732.124	208	642998.614	5861813.828
50	641840.036	5864353.435	103	642202.411	5863515.065	156	642543.503	5862712.503	209	643014.788	5861788.099
51	641839.032	5864332.434	104	642203.627	5863510.262	157	642540.409	5862693.929	210	643019.127	5861741.237
52	641838.997	5864331.001	105	642205.007	5863506.916	158	642540.001	5862688.999	211	643019.408	5861739.065
53	641839.407	5864326.063	106	642237.004	5863440.913	159	642540.202	5862685.535	212	643020.624	5861734.261

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
213	643022.615	5861729.724	268	643924.633	5861198.916	323	637182.401	5861647.709	378	635749.092	5864105.008
214	643025.325	5861725.576	269	643929.520	5861198.100	324	637182.434	5861587.541	379	635811.637	5864160.397
215	643026.455	5861724.209	270	643934.475	5861198.100	325	637195.231	5861518.405	380	635875.855	5864195.870
216	643062.453	5861683.208	271	643939.362	5861198.916	326	637102.441	5861500.619	381	635894.961	5864207.488
217	643064.679	5861680.930	272	643940.653	5861199.359	327	637021.459	5861473.784	382	635907.890	5864208.567
218	643066.844	5861679.117	273	643945.787	5861198.453	328	636970.169	5861499.579	383	635928.793	5864270.495
219	643116.848	5861641.114	274	643948.524	5861198.099	329	636908.070	5861534.482	384	635920.135	5864289.831
220	643118.592	5861639.884	275	643953.479	5861198.099	330	636862.240	5861590.820	385	635937.212	5864361.446
221	643122.949	5861637.526	276	643958.366	5861198.914	331	636839.151	5861639.020	386	635970.691	5864464.545
222	643126.266	5861636.298	277	643963.052	5861200.523	332	636835.135	5861698.858	387	635974.302	5864565.125
223	643149.266	5861629.299	278	643967.410	5861202.881	333	636831.647	5861728.662	388	635942.894	5864652.747
224	643150.636	5861628.917	279	643971.320	5861205.924	334	636788.794	5861785.231	389	635893.724	5864748.917
225	643155.523	5861628.102	280	643973.765	5861208.581	335	636746.625	5861821.823	390	635836.588	5864844.428
226	643157.510	5861628.003	281	643984.997	5861198.998	336	636721.871	5861889.949	391	635767.835	5864898.837
227	643216.158	5861627.044	282	644000.939	5861178.584	337	636710.046	5861959.155	392	635700.417	5864973.802
228	643276.842	5861616.448	283	644030.987	5861140.107	338	636732.252	5862041.248	393	635655.897	5865049.906
229	643279.524	5861616.104	284	644030.311	5861140.086	339	636714.301	5862099.917	394	635629.296	5865127.920
230	643282.437	5861616.004	285	643911.991	5861136.409	340	636686.397	5862157.745	395	635639.076	5865178.880
231	643348.108	5861616.956	286	643873.534	5861135.214	341	636667.943	5862246.447	396	635686.168	5865263.033
232	643454.856	5861594.630	287	643387.799	5861120.116	342	636662.088	5862316.172	397	635714.039	5865325.560
233	643457.214	5861594.235	288	643361.347	5861119.294	343	636646.306	5862385.048	398	635744.721	5865378.269
234	643512.219	5861587.241	289	641212.681	5861052.510	344	636580.718	5862389.588	399	635797.643	5865452.894
235	643513.525	5861587.104	290	637789.914	5860836.124	345	636527.961	5862385.168	400	635876.671	5865419.401
236	643518.480	5861587.104	291	637778.419	5860925.406	346	636490.426	5862402.075	401	635927.872	5865387.088
237	643519.313	5861587.185	292	637766.603	5860994.621	347	636466.340	5862450.205	402	635932.768	5865383.998
238	643555.313	5861591.182	293	637747.175	5861023.086	348	636416.527	5862506.204	403	635974.797	5865337.378
239	643559.367	5861591.916	294	637685.587	5861027.965	349	636371.702	5862502.445	404	636034.728	5865292.237
240	643564.053	5861593.525	295	637642.239	5861054.419	350	636355.953	5862511.153	405	636083.387	5865286.298
241	643568.411	5861595.883	296	637617.163	5861102.450	351	636339.989	5862509.823	406	636126.207	5865289.877
242	643571.829	5861598.484	297	637612.677	5861132.163	352	636290.209	5862505.644	407	636106.244	5865348.385
243	643616.929	5861638.198	298	637650.015	5861165.377	353	636245.871	5862532.029	408	636064.083	5865384.958
244	643630.581	5861589.780	299	637715.874	5861241.091	354	636192.586	5862557.653	409	636024.726	5865411.752
245	643638.300	5861535.757	300	637722.157	5861321.855	355	636135.154	5862572.890	410	635978.054	5865478.039
246	643638.407	5861535.063	301	637724.450	5861402.259	356	636090.989	5862609.303	411	636003.427	5865510.252
247	643639.624	5861530.260	302	637687.063	5861489.391	357	636045.159	5862665.641	412	636064.322	5865585.557
248	643641.614	5861525.722	303	637628.105	5861534.602	358	635995.329	5862721.640	413	636112.593	5865619.690
249	643642.189	5861524.707	304	637573.468	5861600.228	359	635959.790	5862798.894	414	636173.514	5865634.817
250	643673.411	5861472.018	305	637517.174	5861685.771	360	635935.019	5862867.020	415	636232.430	5865649.784
251	643721.772	5861367.409	306	637477.998	5861722.603	361	635927.994	5862986.776	416	636270.922	5865693.115
252	643722.618	5861365.720	307	637533.913	5861737.320	362	635949.895	5863048.773	417	636300.450	5865735.706
253	643725.328	5861361.572	308	637581.055	5861761.315	363	635946.530	5863148.783	418	636328.156	5865788.176
254	643726.422	5861360.247	309	637601.925	5861823.253	364	635921.100	5863236.895	419	636367.464	5865821.549
255	643740.420	5861344.244	310	637571.061	5861880.831	365	635891.003	5863344.703	420	636438.510	5865847.554
256	643742.682	5861341.924	311	637484.067	5861853.487	366	635858.440	5863422.197	421	636496.940	5865832.407
257	643746.592	5861338.880	312	637392.967	5861815.774	367	635826.364	5863529.835	422	636557.020	5865857.482
258	643747.568	5861338.269	313	637359.439	5861833.021	368	635814.785	5863569.950	423	636605.794	5865861.571
259	643825.033	5861291.799	314	637299.690	5861828.022	369	635806.582	5863598.372	424	636617.783	5865802.413
260	643865.843	5861254.779	315	637246.727	5861813.555	370	635784.969	5863676.796	425	636669.922	5865766.670
261	643867.711	5861253.218	316	637180.488	5861838.100	371	635754.453	5863731.795	426	636731.502	5865761.801
262	643889.978	5861236.094	317	637129.199	5861863.885	372	635753.066	5863734.294	427	636780.968	5865745.894
263	643907.298	5861210.970	318	637073.259	5861849.168	373	635719.341	5863801.670	428	636828.283	5865719.760
264	643908.323	5861209.572	319	637114.282	5861802.457	374	635719.569	5863802.819	429	636870.469	5865683.177
265	643911.679	5861205.926	320	637091.400	5861740.380	375	635735.577	5863883.244	430	636917.784	5865657.052
266	643915.589	5861202.883	321	637114.331	5861682.122	376	635746.008	5863974.375	431	636954.304	5865640.056
267	643919.947	5861200.525	322	637163.279	5861696.259	377	635733.186	5864043.511	432	637001.941	5865634.027

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
433	637059.868	5865648.904	485	640081.846	5866052.522	537	641754.400	5865229.859			
434	637138.706	5865665.531	486	640088.492	5865972.848	538	641796.577	5865193.267			
435	637213.545	5865681.837	487	640082.044	5865942.214	539	641821.348	5865125.151			
436	637297.216	5865688.846	488	640093.860	5865872.999	540	641842.276	5865066.723			
437	637384.333	5865726.238	489	640127.223	5865845.714	541	641863.740	5864978.271			
438	637449.880	5865781.857	490	640199.127	5865801.593	542	641873.309	5864957.460			
439	637476.101	5865804.123	491	640258.398	5865776.468	543	641878.082	5864947.079			
440	637507.452	5865836.836	492	640347.700	5865763.901	544	641899.271	5864900.996			
441	637570.203	5865842.085	493	640413.782	5865729.318	545	641935.842	5864823.832			
442	637639.064	5865857.892	494	640500.793	5865696.484	546	641939.055	5864809.348			
443	637721.201	5865894.854	495	640581.808	5865663.161						
444	637794.243	5865921.039	496	640666.814	5865630.158						
445	637859.789	5865976.667	497	640711.952	5865593.835						
446	637934.587	5866053.132	498	640770.745	5865538.587						
447	637979.700	5866137.155	499	640828.722	5865493.296						
448	638032.465	5866201.742	500	640900.922	5865469.261						
449	638094.680	5866237.044	501	640961.331	5865454.264						
450	638149.622	5866251.681	502	641024.082	5865459.513						
451	638244.227	5866319.768	503	641061.576	5865502.784						
452	638325.852	5866386.774	504	641080.170	5865544.445						
453	638435.373	5866456.140	505	641091.756	5865585.547						
454	638521.823	5866513.528	506	641101.362	5865626.469						
455	638592.853	5866539.533	507	641099.367	5865686.456						
456	638679.822	5866566.877	508	641120.088	5865738.346						
457	638769.611	5866584.424	509	641158.588	5865781.687						
458	638863.390	5866602.310	510	641199.422	5865785.116						
459	638912.705	5866618.078	511	641250.859	5865769.360						
460	638922.257	5866621.132	512	641262.181	5865730.188						
461	638948.380	5866629.485	513	641284.750	5865712.021						
462	639035.844	5866626.785	514	641333.895	5865736.186						
463	639118.715	5866595.222	515	641330.547	5865776.038						
464	639165.337	5866577.465	516	641362.063	5865818.790						
465	639223.572	5866577.193	517	641413.179	5865843.135						
466	639278.709	5866576.935	518	641466.793	5865837.596						
467	639352.237	5866573.076	519	641489.057	5865799.344						
468	639433.739	5866569.857	520	641528.216	5865822.689						
469	639505.973	5866545.832	521	641544.799	5865864.190						
470	639555.439	5866529.915	522	641545.442	5865904.372						
471	639616.706	5866504.960	523	641586.605	5865927.867						
472	639666.824	5866469.067	524	641634.415	5865931.867						
473	639726.780	5866423.936	525	641674.440	5865885.066						
474	639785.218	5866408.769	526	641665.337	5865814.120						
475	639804.071	5866404.289	527	641628.156	5865790.935						
476	639847.647	5866393.932	528	641569.916	5865755.962						
477	639911.058	5866379.195	529	641537.551	5865723.179						
478	639929.451	5866365.411	530	641524.811	5865671.959						
479	639959.205	5866343.113	531	641548.559	5865603.743						
480	639970.150	5866326.914	532	641576.801	5865565.991						
481	639991.265	5866295.662	533	641614.517	5865498.955						
482	640004.549	5866256.660	534	641659.029	5865422.440						
483	640019.845	5866217.818	535	641694.741	5865355.244						
484	640037.459	5866139.054	536	641718.184	5865266.952						

* Where the coordinates are NAD 83, UTM zone 19

East Administrative Boundary Coordinates (Tailings Site)

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
1	644103.997	5863638.997	54	649347.473	5868418.261	107	649975.975	5867579.638	160	649757.418	5866946.645
2	643978.940	5863959.404	55	649353.502	5868404.532	108	649976.696	5867556.468	161	649743.417	5866946.21
3	643935.606	5864070.430	56	649362.187	5868395.524	109	650004.694	5867557.338	162	649744.137	5866923.04
4	643693.067	5864691.839	57	649376.901	5868372.787	110	650005.414	5867534.168	163	649744.856	5866899.87
5	644350.333	5864718.382	58	649386.471	5868365.352	111	650047.411	5867535.475	164	649674.852	5866897.697
6	643973.144	5865919.278	59	649396.042	5868357.919	112	650048.132	5867512.304	165	649674.133	5866920.867
7	643647.624	5866955.670	60	649405.612	5868350.484	113	650076.130	5867513.175	166	649618.13	5866919.13
8	643678.365	5867088.215	61	649420.326	5868327.747	114	650076.851	5867490.005	167	649617.412	5866942.3
9	643788.495	5867124.385	62	649421.762	5868281.407	115	650104.849	5867490.876	168	649603.045	5866941.855
10	643832.998	5867139.001	63	649416.594	5868267.331	116	650105.570	5867467.706	169	649519.407	5866939.262
11	643966.998	5867164.004	64	649415.482	5868258.019	117	650133.569	5867468.578	170	649520.125	5866916.091
12	644628.999	5867282.003	65	649416.918	5868211.679	118	650134.290	5867445.407	171	649478.123	5866914.79
13	644730.003	5867319.998	66	649418.605	5868202.454	119	650120.291	5867444.971	172	649478.841	5866891.619
14	644826.000	5867395.003	67	649424.635	5868188.725	120	650121.012	5867421.801	173	649464.84	5866891.185
15	645112.997	5867264.002	68	649425.353	5868165.555	121	650107.013	5867421.365	174	649465.558	5866868.015
16	645219.999	5867226.000	69	649431.383	5868151.826	122	650107.734	5867398.195	175	649466.276	5866844.845
17	645391.002	5867206.005	70	649434.756	5868133.377	123	650079.735	5867397.324	176	649452.275	5866844.411
18	645561.998	5867228.005	71	649446.816	5868105.919	124	650080.456	5867374.154	177	649452.993	5866821.241
19	645710.003	5867292.998	72	649450.189	5868087.470	125	650052.457	5867373.282	178	649455.864	5866728.559
20	645798.000	5867350.995	73	649456.219	5868073.741	126	650053.178	5867350.112	179	649441.863	5866728.126
21	645857.999	5867408.002	74	649456.937	5868050.571	127	650011.180	5867348.806	180	649442.581	5866704.955
22	645948.282	5867533.994	75	649470.935	5868051.004	128	650011.900	5867325.635	181	649443.299	5866681.785
23	646011.308	5867621.947	76	649472.371	5868004.664	129	649983.901	5867324.765	182	649429.297	5866681.351
24	646259.997	5867968.999	77	649487.087	5867981.927	130	649984.622	5867301.594	183	649430.015	5866658.181
25	646319.001	5868026.004	78	649487.805	5867958.757	131	649970.622	5867301.159	184	649416.014	5866657.747
26	646330.693	5868031.974	79	649502.521	5867936.020	132	649971.342	5867277.989	185	649402.730	5866634.143
27	646412.997	5868073.998	80	649503.240	5867912.850	133	649943.343	5867277.118	186	649388.728	5866633.710
28	646521.002	5868097.995	81	649517.238	5867913.284	134	649944.063	5867253.948	187	649375.444	5866610.106
29	646564.914	5868101.656	82	649517.956	5867890.114	135	649930.064	5867253.513	188	649366.349	5866602.093
30	646593.598	5868108.694	83	649532.672	5867867.377	136	649930.784	5867230.342	189	649357.253	5866594.081
31	646660.967	5868107.717	84	649533.391	5867844.207	137	649916.784	5867229.907	190	649348.158	5866586.069
32	647011.487	5868105.177	85	649547.389	5867844.641	138	649917.504	5867206.737	191	649337.836	5866579.951
33	647688.822	5868093.324	86	649548.107	5867821.471	139	649903.504	5867206.302	192	649334.395	5866577.911
34	647853.076	5868088.244	87	649562.105	5867821.905	140	649904.224	5867183.132	193	649328.986	5866571.559
35	648105.383	5868084.857	88	649562.824	5867798.734	141	649890.224	5867182.696	194	649324.736	5866566.569
36	648206.187	5868085.562	89	649576.822	5867799.169	142	649890.944	5867159.526	195	649320.872	5866562.031
37	648347.530	5868086.551	90	649577.541	5867775.998	143	649876.944	5867159.091	196	649307.049	5866555.805
38	648450.824	5868108.564	91	649605.537	5867776.867	144	649877.664	5867135.921	197	649293.406	5866543.787
39	648532.104	5868130.577	92	649606.256	5867753.696	145	649878.384	5867112.750	198	649290.910	5866542.129
40	648559.197	5868144.124	93	649704.244	5867756.737	146	649864.384	5867112.315	199	649286.585	5866537.778
41	648574.437	5868139.044	94	649712.930	5867747.730	147	649864.575	5867106.167	200	649282.259	5866533.427
42	648604.917	5868128.884	95	649724.274	5867743.443	148	649865.104	5867089.145	201	649279.763	5866531.769
43	648667.571	5868169.524	96	649732.960	5867734.436	149	649851.104	5867088.710	202	649274.269	5866528.120
44	649019.307	5868525.650	97	649762.396	5867688.965	150	649851.824	5867065.540	203	649272.124	5866527.022
45	649169.264	5868758.477	98	649763.115	5867665.794	151	649823.823	5867064.670	204	649266.060	5866521.681
46	649271.866	5869137.316	99	649791.112	5867666.664	152	649824.543	5867041.5	205	649263.029	5866519.011
47	649366.576	5869184.671	100	649791.832	5867643.493	153	649810.542	5867041.065	206	649252.297	5866513.524
48	649317.327	5868486.905	101	649819.829	5867644.363	154	649811.262	5867017.895	207	649244.837	5866502.986
49	649323.357	5868473.176	102	649820.549	5867621.193	155	649783.261	5867017.025	208	649238.773	5866497.645
50	649325.043	5868463.951	103	649890.542	5867623.368	156	649783.98	5866993.855	209	649235.742	5866494.974
51	649327.614	5868456.300	104	649891.263	5867600.197	157	649769.98	5866993.42	210	649232.011	5866489.704
52	649332.759	5868440.998	105	649947.257	5867601.938	158	649770.699	5866970.25	211	649225.368	5866477.903
53	649338.788	5868427.269	106	649947.978	5867578.768	159	649756.699	5866969.815	212	649221.520	5866472.814

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
213	649218.725	5866466.101	268	649275.233	5865772.074	323	649632.161	5865110.544	378	648603.225	5865054.535
214	649212.083	5866454.299	269	649289.237	5865772.507	324	649618.155	5865110.110	379	648602.814	5865057.894
215	649208.235	5866449.210	270	649289.954	5865749.337	325	649618.873	5865086.940	380	648602.403	5865061.252
216	649205.440	5866442.498	271	649303.958	5865749.770	326	649590.861	5865086.072	381	648600.522	5865078.720
217	649202.645	5866435.785	272	649304.675	5865726.600	327	649591.579	5865062.901	382	648569.913	5865093.883
218	649198.797	5866430.696	273	649318.679	5865727.033	328	649577.573	5865062.467	383	648561.001	5865079.112
219	649194.949	5866425.607	274	649320.113	5865680.693	329	649578.291	5865039.297	384	648556.237	5865075.823
220	649192.154	5866418.894	275	649334.117	5865681.126	330	649550.279	5865038.429	385	648549.611	5865066.230
221	649189.359	5866412.182	276	649334.834	5865657.956	331	649550.997	5865015.259	386	648536.675	5865046.710
222	649185.512	5866407.093	277	649348.839	5865658.389	332	649508.978	5865013.957	387	648535.666	5865045.652
223	649180.963	5866403.087	278	649349.556	5865635.219	333	649509.696	5864990.787	388	648529.801	5865038.523
224	649171.868	5866395.075	279	649363.560	5865635.652	334	649439.664	5864988.618	389	648529.424	5865037.803
225	649158.582	5866371.471	280	649364.277	5865612.482	335	649438.947	5865011.788	390	648528.326	5865034.234
226	649150.467	5866361.944	281	649378.282	5865612.915	336	649354.909	5865009.187	391	648528.103	5865032.693
227	649145.296	5866347.868	282	649378.999	5865589.745	337	649354.192	5865032.358	392	648527.466	5865028.459
228	649137.181	5866338.340	283	649393.004	5865590.178	338	649256.149	5865029.325	393	648527.497	5865026.848
229	649132.009	5866324.265	284	649393.721	5865567.008	339	649255.433	5865052.495	394	648527.502	5865019.929
230	649123.895	5866314.737	285	649407.725	5865567.442	340	649171.396	5865049.897	395	648527.115	5865019.467
231	649118.723	5866300.662	286	649408.443	5865544.271	341	649170.680	5865073.068	396	648521.810	5865014.286
232	649116.489	5866296.694	287	649422.447	5865544.705	342	649128.662	5865071.769	397	648520.572	5865011.466
233	649105.437	5866277.059	288	649423.165	5865521.535	343	649127.946	5865094.940	398	648520.838	5865004.425
234	649100.265	5866262.983	289	649451.174	5865522.402	344	649099.934	5865094.074	399	648519.881	5864999.703
235	649099.151	5866253.672	290	649451.892	5865499.232	345	649099.218	5865117.245	400	648519.731	5864999.336
236	649098.038	5866244.361	291	649465.897	5865499.665	346	649085.212	5865116.812	401	648518.906	5864996.510
237	649092.866	5866230.285	292	649466.614	5865476.495	347	649084.497	5865139.982	402	648518.695	5864994.391
238	649093.582	5866207.115	293	649480.619	5865476.929	348	649070.491	5865139.550	403	648518.046	5864992.326
239	649096.166	5866201.232	294	649481.337	5865453.759	349	649069.775	5865162.720	404	648516.653	5864988.987
240	649099.613	5866193.386	295	649509.347	5865454.626	350	649041.764	5865161.855	405	648516.442	5864988.347
241	649102.226	5866179.090	296	649510.064	5865431.456	351	649041.048	5865185.025	406	648515.611	5864986.562
242	649102.986	5866174.936	297	649538.075	5865432.324	352	649027.043	5865184.593	407	648512.117	5864981.219
243	649109.017	5866161.207	298	649538.792	5865409.153	353	649026.327	5865207.763	408	648511.555	5864980.200
244	649109.733	5866138.037	299	649552.798	5865409.587	354	648900.276	5865203.873	409	648509.907	5864976.360
245	649124.452	5866115.299	300	649553.516	5865386.417	355	648900.991	5865180.702	410	648509.488	5864972.845
246	649125.168	5866092.129	301	649581.526	5865387.285	356	648788.945	5865177.247	411	648508.517	5864968.926
247	649139.887	5866069.391	302	649582.244	5865364.115	357	648789.660	5865154.077	412	648508.419	5864967.936
248	649140.603	5866046.221	303	649680.280	5865367.154	358	648733.636	5865152.350	413	648508.717	5864962.234
249	649154.607	5866046.654	304	649680.999	5865343.984	359	648734.350	5865129.180	414	648507.905	5864960.365
250	649155.383	5866021.526	305	649681.249	5865335.937	360	648706.339	5865128.317	415	648504.525	5864955.661
251	649156.039	5866000.313	306	649681.718	5865320.814	361	648707.053	5865105.146	416	648503.756	5864954.590
252	649170.042	5866000.746	307	649667.712	5865320.379	362	648679.041	5865104.283	417	648499.363	5864947.088
253	649170.418	5865988.589	308	649668.431	5865297.209	363	648679.754	5865081.113	418	648499.449	5864942.180
254	649170.759	5865977.576	309	649669.149	5865274.039	364	648665.748	5865080.682	419	648499.025	5864938.234
255	649184.762	5865978.009	310	649683.155	5865274.473	365	648666.248	5865064.447	420	648496.154	5864928.746
256	649185.478	5865954.838	311	649683.873	5865251.303	366	648666.462	5865057.511	421	648496.087	5864928.183
257	649199.482	5865955.271	312	649725.890	5865252.606	367	648652.456	5865057.080	422	648494.342	5864923.164
258	649200.198	5865932.101	313	649726.609	5865229.436	368	648653.170	5865033.910	423	648494.006	5864922.395
259	649214.202	5865932.534	314	649712.603	5865229.001	369	648639.163	5865033.478	424	648492.331	5864917.385
260	649215.635	5865886.193	315	649713.322	5865205.831	370	648639.877	5865010.308	425	648493.110	5864914.192
261	649229.639	5865886.626	316	649699.316	5865205.397	371	648640.590	5864987.138	426	648493.093	5864914.029
262	649230.355	5865863.456	317	649700.035	5865182.226	372	648626.584	5864986.706	427	648493.071	5864913.215
263	649244.359	5865863.889	318	649672.023	5865181.358	373	648626.783	5864980.254	428	648492.913	5864911.912
264	649245.075	5865840.719	319	649672.742	5865158.187	374	648614.723	5864994.982	429	648493.249	5864908.466
265	649259.079	5865841.152	320	649658.736	5865157.753	375	648611.968	5865011.133	430	648494.318	5864904.199
266	649260.513	5865794.811	321	649659.454	5865134.583	376	648609.213	5865027.284	431	648495.133	5864902.231
267	649274.517	5865795.244	322	649631.443	5865133.714	377	648605.204	5865048.423	432	648494.856	5864900.803

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
433	648493.885	5864896.109	488	648509.401	5864770.144	543	648530.001	5864592.596	598	648504.507	5864406.354
434	648493.318	5864894.387	489	648510.090	5864763.589	544	648530.353	5864587.253	599	648505.349	5864403.137
435	648493.100	5864889.942	490	648510.356	5864761.061	545	648530.602	5864586.204	600	648506.460	5864401.111
436	648493.999	5864886.220	491	648510.373	5864760.180	546	648529.946	5864577.542	601	648507.638	5864399.746
437	648494.731	5864885.268	492	648510.673	5864757.397	547	648529.823	5864577.218	602	648510.618	5864397.669
438	648495.288	5864882.319	493	648510.996	5864756.661	548	648529.631	5864576.759	603	648512.258	5864395.464
439	648495.528	5864879.780	494	648511.032	5864756.004	549	648528.636	5864569.677	604	648512.494	5864394.923
440	648495.275	5864878.061	495	648511.089	5864755.202	550	648528.324	5864566.449	605	648513.101	5864393.660
441	648494.887	5864876.386	496	648511.437	5864751.838	551	648528.204	5864563.078	606	648514.664	5864391.151
442	648494.920	5864875.625	497	648512.352	5864749.642	552	648528.040	5864556.621	607	648516.267	5864389.402
443	648494.869	5864873.844	498	648514.809	5864746.553	553	648528.217	5864543.983	608	648517.165	5864386.973
444	648494.897	5864872.754	499	648516.893	5864745.188	554	648529.443	5864541.528	609	648517.898	5864385.383
445	648495.266	5864870.486	500	648517.225	5864742.002	555	648529.386	5864540.259	610	648521.703	5864380.900
446	648493.969	5864865.594	501	648518.373	5864732.905	556	648525.986	5864532.318	611	648522.465	5864379.711
447	648494.297	5864862.122	502	648521.017	5864730.364	557	648526.016	5864529.974	612	648522.904	5864378.970
448	648494.512	5864861.400	503	648521.342	5864729.698	558	648524.854	5864525.363	613	648525.731	5864375.802
449	648494.678	5864860.991	504	648525.445	5864726.190	559	648524.577	5864523.135	614	648525.783	5864375.744
450	648495.128	5864859.845	505	648524.793	5864721.525	560	648524.281	5864520.755	615	648525.938	5864375.574
451	648496.139	5864858.457	506	648526.249	5864718.367	561	648524.301	5864519.250	616	648528.317	5864371.197
452	648496.785	5864856.467	507	648526.818	5864717.313	562	648520.722	5864513.329	617	648531.235	5864368.509
453	648497.079	5864854.556	508	648527.165	5864714.550	563	648515.461	5864503.229	618	648535.929	5864365.728
454	648497.228	5864852.652	509	648528.767	5864711.810	564	648514.411	5864502.532	619	648536.844	5864364.742
455	648497.892	5864851.204	510	648530.715	5864705.250	565	648513.193	5864501.540	620	648537.634	5864361.107
456	648498.501	5864846.869	511	648531.693	5864701.469	566	648512.091	5864500.185	621	648538.754	5864359.380
457	648499.756	5864845.336	512	648531.839	5864700.752	567	648512.114	5864492.867	622	648539.455	5864357.482
458	648499.080	5864842.932	513	648531.993	5864699.774	568	648512.126	5864488.908	623	648543.828	5864353.360
459	648498.730	5864836.332	514	648531.694	5864698.276	569	648511.652	5864485.614	624	648543.838	5864353.335
460	648498.757	5864836.104	515	648530.526	5864694.707	570	648511.228	5864484.209	625	648544.280	5864348.427
461	648498.716	5864835.514	516	648528.677	5864691.342	571	648510.972	5864481.865	626	648544.837	5864346.333
462	648499.197	5864830.157	517	648528.513	5864688.125	572	648508.970	5864480.374	627	648545.433	5864343.111
463	648498.994	5864829.512	518	648530.216	5864682.241	573	648506.783	5864478.026	628	648545.158	5864338.848
464	648498.978	5864829.417	519	648530.382	5864681.670	574	648505.048	5864474.683	629	648545.424	5864336.132
465	648498.848	5864828.665	520	648532.458	5864676.385	575	648503.844	5864473.288	630	648547.120	5864328.423
466	648500.307	5864824.636	521	648535.241	5864673.948	576	648503.694	5864473.090	631	648547.940	5864326.589
467	648501.271	5864823.168	522	648536.276	5864673.437	577	648496.155	5864464.507	632	648548.902	5864322.863
468	648501.606	5864822.700	523	648536.494	5864673.038	578	648495.768	5864462.816	633	648549.971	5864320.837
469	648501.753	5864822.162	524	648536.625	5864672.767	579	648495.715	5864462.463	634	648550.138	5864320.377
470	648502.879	5864817.092	525	648536.702	5864671.449	580	648495.732	5864462.175	635	648549.804	5864316.384
471	648502.925	5864817.017	526	648537.963	5864665.959	581	648496.084	5864456.376	636	648549.305	5864313.831
472	648503.468	5864813.222	527	648538.103	5864661.809	582	648496.572	5864453.570	637	648549.118	5864312.308
473	648503.275	5864811.095	528	648539.754	5864658.186	583	648498.322	5864449.096	638	648547.878	5864307.927
474	648504.875	5864807.710	529	648542.331	5864655.251	584	648499.080	5864447.336	639	648547.554	5864307.213
475	648505.099	5864806.767	530	648537.683	5864646.409	585	648498.763	5864442.956	640	648546.229	5864299.322
476	648505.223	5864806.195	531	648538.526	5864639.986	586	648499.735	5864439.700	641	648546.881	5864295.907
477	648504.966	5864804.823	532	648539.678	5864638.091	587	648499.726	5864435.869	642	648547.031	5864294.640
478	648504.619	5864798.556	533	648541.691	5864635.915	588	648501.773	5864431.024	643	648547.088	5864292.368
479	648504.586	5864798.204	534	648539.011	5864628.115	589	648502.688	5864428.205	644	648540.378	5864287.418
480	648504.405	5864795.418	535	648537.174	5864623.633	590	648503.259	5864425.413	645	648535.961	5864278.545
481	648506.392	5864789.989	536	648536.479	5864619.722	591	648503.472	5864421.761	646	648532.937	5864275.024
482	648506.715	5864788.973	537	648536.182	5864618.732	592	648503.351	5864420.578	647	648532.812	5864274.878
483	648508.018	5864786.152	538	648535.599	5864615.292	593	648503.314	5864418.948	648	648532.769	5864274.835
484	648508.368	5864785.120	539	648533.860	5864609.952	594	648503.134	5864415.148	649	648532.738	5864274.818
485	648508.767	5864783.837	540	648532.286	5864607.452	595	648503.426	5864413.590	650	648528.050	5864272.141
486	648509.253	5864782.518	541	648529.826	5864601.671	596	648503.670	5864412.234	651	648524.454	5864268.956
487	648510.745	5864775.335	542	648529.973	5864594.032	597	648503.766	5864410.896	652	648516.658	5864259.229

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
653	648516.571	5864259.026	708	648595.403	5864007.058	763	648644.219	5863839.481	818	648687.316	5863617.245
654	648513.785	5864249.544	709	648596.731	5864002.743	764	648647.293	5863833.389	819	648687.608	5863615.414
655	648513.396	5864248.282	710	648598.219	5863998.845	765	648647.334	5863832.851	820	648687.599	5863615.006
656	648510.820	5864226.150	711	648598.381	5863997.749	766	648647.409	5863831.364	821	648688.054	5863611.006
657	648511.256	5864224.172	712	648598.805	5863992.416	767	648647.044	5863830.469	822	648688.376	5863609.090
658	648510.964	5864220.235	713	648599.543	5863989.931	768	648645.792	5863825.094	823	648688.472	5863608.769
659	648511.032	5864217.868	714	648599.128	5863984.454	769	648645.105	5863818.844	824	648688.550	5863608.166
660	648511.000	5864217.237	715	648598.930	5863981.381	770	648644.518	5863814.372	825	648688.146	5863605.658
661	648509.948	5864205.152	716	648600.065	5863978.399	771	648645.190	5863811.848	826	648687.795	5863602.558
662	648511.828	5864191.340	717	648601.094	5863976.105	772	648646.299	5863809.359	827	648688.040	5863600.554
663	648511.420	5864188.502	718	648600.904	5863975.531	773	648645.908	5863807.796	828	648688.469	5863598.679
664	648511.497	5864181.498	719	648599.966	5863966.301	774	648645.894	5863802.654	829	648688.508	5863597.334
665	648511.792	5864176.773	720	648600.032	5863966.128	775	648647.504	5863798.186	830	648688.322	5863593.762
666	648512.170	5864174.821	721	648599.610	5863962.012	776	648648.301	5863792.696	831	648687.944	5863589.455
667	648512.527	5864172.564	722	648599.562	5863961.865	777	648648.481	5863791.452	832	648689.708	5863585.669
668	648512.352	5864166.477	723	648599.440	5863957.173	778	648648.650	5863785.750	833	648689.815	5863581.450
669	648515.270	5864157.063	724	648599.304	5863956.308	779	648645.500	5863777.682	834	648690.615	5863577.792
670	648515.273	5864153.196	725	648599.202	5863954.477	780	648650.414	5863768.496	835	648690.629	5863577.457
671	648516.521	5864145.929	726	648598.525	5863952.017	781	648651.085	5863765.073	836	648690.150	5863575.128
672	648516.549	5864145.767	727	648595.264	5863946.027	782	648650.372	5863763.340	837	648689.853	5863571.277
673	648517.200	5864140.762	728	648596.784	5863943.248	783	648650.078	5863754.604	838	648689.827	5863570.840
674	648524.018	5864126.858	729	648599.311	5863940.047	784	648651.647	5863751.031	839	648689.326	5863569.406
675	648524.907	5864125.836	730	648601.194	5863938.562	785	648652.380	5863745.496	840	648687.769	5863564.382
676	648527.028	5864123.397	731	648602.912	5863936.040	786	648653.059	5863743.543	841	648687.949	5863559.246
677	648536.630	5864116.047	732	648602.902	5863934.258	787	648653.663	5863742.156	842	648688.211	5863558.145
678	648539.755	5864113.335	733	648606.227	5863926.267	788	648653.760	5863741.025	843	648688.367	5863554.079
679	648548.832	5864102.960	734	648606.699	5863925.452	789	648653.875	5863739.681	844	648689.058	5863551.024
680	648553.465	5864100.057	735	648606.532	5863920.893	790	648657.229	5863731.401	845	648689.633	5863549.061
681	648556.305	5864088.479	736	648610.095	5863915.778	791	648658.178	5863726.519	846	648689.678	5863548.730
682	648556.415	5864087.944	737	648610.311	5863915.423	792	648658.095	5863725.902	847	648689.898	5863542.089
683	648556.538	5864086.747	738	648611.483	5863913.902	793	648658.129	5863722.506	848	648689.889	5863541.937
684	648556.618	5864084.840	739	648612.547	5863912.990	794	648661.112	5863714.180	849	648689.837	5863541.586
685	648555.381	5864079.352	740	648613.994	5863909.691	795	648661.752	5863712.527	850	648689.146	5863538.831
686	648554.823	5864076.877	741	648615.285	5863905.986	796	648661.981	5863710.803	851	648687.832	5863533.914
687	648556.621	5864068.162	742	648616.749	5863902.463	797	648662.971	5863706.651	852	648687.788	5863533.724
688	648556.526	5864067.641	743	648618.735	5863898.709	798	648663.309	5863705.572	853	648685.826	5863530.594
689	648556.000	5864062.935	744	648621.864	5863893.453	799	648663.740	5863699.339	854	648685.658	5863525.439
690	648556.284	5864061.153	745	648622.341	5863892.864	800	648669.742	5863686.884	855	648685.648	5863525.194
691	648558.082	5864055.601	746	648622.372	5863892.768	801	648671.154	5863683.024	856	648685.399	5863524.107
692	648567.997	5864044.709	747	648623.601	5863888.411	802	648673.094	5863678.068	857	648682.711	5863515.749
693	648569.061	5864043.547	748	648625.053	5863886.780	803	648674.087	5863676.018	858	648680.012	5863508.155
694	648572.061	5864038.851	749	648625.958	5863885.703	804	648674.452	5863674.554	859	648679.521	5863506.957
695	648572.253	5864038.577	750	648626.591	5863884.340	805	648675.247	5863671.710	860	648679.390	5863506.503
696	648574.702	5864035.064	751	648628.704	5863881.223	806	648675.574	5863669.637	861	648676.264	5863498.740
697	648575.534	5864034.071	752	648632.588	5863876.414	807	648679.770	5863662.680	862	648676.221	5863498.549
698	648576.424	5864033.202	753	648635.267	5863873.541	808	648680.473	5863659.653	863	648675.915	5863494.409
699	648584.505	5864030.247	754	648635.010	5863870.573	809	648681.463	5863653.871	864	648676.335	5863493.224
700	648584.695	5864030.136	755	648634.939	5863865.609	810	648683.025	5863646.702	865	648676.332	5863491.570
701	648589.810	5864022.374	756	648635.235	5863863.914	811	648683.319	5863645.320	866	648675.262	5863488.585
702	648590.090	5864022.170	757	648635.405	5863863.099	812	648683.769	5863640.213	867	648674.655	5863486.449
703	648590.974	5864021.276	758	648635.166	5863860.586	813	648685.080	5863636.694	868	648674.672	5863484.979
704	648593.973	5864014.858	759	648639.795	5863853.135	814	648685.318	5863635.297	869	648673.396	5863482.349
705	648594.171	5864014.306	760	648640.060	5863851.627	815	648686.678	5863629.308	870	648672.745	5863480.686
706	648594.314	5864013.962	761	648643.446	5863843.634	816	648687.229	5863626.714	871	648672.379	5863480.055
707	648594.121	5864009.492	762	648645.062	5863842.676	817	648687.367	5863622.063	872	648671.766	5863475.551

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
873	648671.529	5863474.121	928	648618.307	5863328.002	983	648603.357	5863196.879	1038	648626.152	5863076.743
874	648668.725	5863465.231	929	648618.163	5863327.784	984	648603.361	5863196.369	1039	648626.583	5863072.041
875	648668.619	5863464.665	930	648617.333	5863325.721	985	648603.285	5863195.373	1040	648626.991	5863069.609
876	648668.503	5863464.323	931	648617.168	5863324.507	986	648603.202	5863195.108	1041	648627.229	5863066.691
877	648668.066	5863463.646	932	648613.935	5863319.395	987	648603.298	5863189.986	1042	648628.024	5863065.452
878	648666.831	5863461.833	933	648613.463	5863319.064	988	648604.208	5863188.872	1043	648627.193	5863063.679
879	648665.486	5863459.723	934	648612.268	5863317.578	989	648603.520	5863187.969	1044	648628.021	5863059.382
880	648663.929	5863457.182	935	648609.450	5863312.891	990	648603.433	5863183.585	1045	648627.929	5863056.818
881	648661.270	5863450.753	936	648608.907	5863312.080	991	648603.579	5863178.034	1046	648628.149	5863055.828
882	648661.221	5863448.569	937	648607.825	5863310.493	992	648603.589	5863177.911	1047	648628.614	5863051.656
883	648661.508	5863447.324	938	648606.960	5863309.087	993	648603.781	5863176.315	1048	648628.664	5863051.402
884	648661.122	5863446.803	939	648606.400	5863308.166	994	648604.142	5863173.551	1049	648628.056	5863048.533
885	648658.083	5863443.720	940	648604.407	5863303.361	995	648604.122	5863173.431	1050	648627.958	5863045.215
886	648656.617	5863438.478	941	648598.630	5863279.672	996	648604.030	5863172.800	1051	648628.173	5863043.861
887	648656.212	5863437.152	942	648598.697	5863279.244	997	648603.827	5863169.952	1052	648628.267	5863039.855
888	648655.294	5863435.634	943	648599.428	5863276.972	998	648604.131	5863168.711	1053	648628.680	5863037.071
889	648654.796	5863431.865	944	648599.308	5863275.978	999	648605.122	5863165.609	1054	648629.921	5863034.828
890	648652.210	5863423.589	945	648599.367	5863272.533	1000	648606.452	5863161.341	1055	648631.219	5863030.186
891	648652.228	5863422.827	946	648598.982	5863270.790	1001	648606.665	5863160.501	1056	648632.539	5863027.918
892	648651.129	5863420.607	947	648599.198	5863269.054	1002	648607.341	5863159.570	1057	648631.127	5863022.183
893	648651.023	5863418.949	948	648598.812	5863266.384	1003	648607.628	5863158.769	1058	648631.443	5863019.462
894	648650.805	5863418.029	949	648598.930	5863265.733	1004	648611.494	5863151.477	1059	648630.776	5863017.158
895	648650.642	5863417.415	950	648599.919	5863263.399	1005	648611.620	5863151.223	1060	648630.687	5863016.695
896	648648.197	5863410.831	951	648599.113	5863260.589	1006	648612.446	5863149.623	1061	648630.624	5863012.167
897	648647.608	5863409.323	952	648599.016	5863259.784	1007	648612.609	5863149.370	1062	648630.681	5863012.049
898	648647.169	5863408.364	953	648598.898	5863258.650	1008	648613.679	5863146.571	1063	648631.076	5863010.755
899	648645.057	5863405.210	954	648599.054	5863257.278	1009	648613.686	5863146.547	1064	648631.280	5863009.925
900	648645.018	5863405.040	955	648599.046	5863254.113	1010	648614.559	5863143.324	1065	648630.876	5863008.331
901	648643.156	5863401.024	956	648599.808	5863250.962	1011	648614.916	5863142.230	1066	648630.575	5863006.065
902	648641.920	5863396.915	957	648599.661	5863249.374	1012	648615.917	5863140.334	1067	648630.393	5863005.117
903	648639.570	5863392.836	958	648600.073	5863245.397	1013	648616.684	5863135.897	1068	648630.381	5863004.516
904	648640.178	5863389.002	959	648600.108	5863242.638	1014	648618.323	5863129.251	1069	648630.337	5863003.523
905	648640.221	5863388.142	960	648600.696	5863239.787	1015	648618.347	5863128.727	1070	648629.802	5863000.556
906	648639.274	5863386.601	961	648600.979	5863239.503	1016	648618.279	5863127.548	1071	648629.185	5862995.782
907	648638.241	5863383.215	962	648600.745	5863237.876	1017	648618.408	5863126.552	1072	648629.803	5862993.546
908	648637.734	5863381.226	963	648600.820	5863235.404	1018	648618.034	5863124.880	1073	648629.884	5862993.227
909	648636.974	5863379.726	964	648600.717	5863234.786	1019	648618.450	5863122.418	1074	648630.160	5862992.322
910	648635.150	5863374.982	965	648600.638	5863232.959	1020	648618.637	5863120.810	1075	648630.503	5862991.089
911	648634.943	5863374.475	966	648600.339	5863231.415	1021	648618.363	5863120.229	1076	648630.517	5862991.037
912	648634.020	5863373.593	967	648599.927	5863228.833	1022	648618.428	5863114.734	1077	648632.109	5862986.794
913	648633.371	5863370.184	968	648599.977	5863227.392	1023	648618.377	5863114.064	1078	648632.965	5862985.672
914	648633.302	5863369.820	969	648600.192	5863226.537	1024	648618.364	5863113.811	1079	648633.191	5862985.210
915	648631.112	5863364.477	970	648600.979	5863224.108	1025	648618.595	5863110.615	1080	648634.888	5862981.286
916	648629.067	5863360.298	971	648601.114	5863222.843	1026	648618.259	5863107.891	1081	648636.140	5862976.150
917	648628.990	5863359.957	972	648601.673	5863220.991	1027	648620.063	5863102.185	1082	648636.301	5862975.658
918	648627.861	5863358.057	973	648602.148	5863217.574	1028	648620.745	5863100.658	1083	648636.924	5862974.115
919	648626.253	5863355.754	974	648602.182	5863217.357	1029	648621.454	5863096.494	1084	648637.067	5862973.630
920	648624.055	5863353.814	975	648602.188	5863217.261	1030	648622.945	5863092.145	1085	648638.718	5862967.279
921	648622.667	5863350.709	976	648602.138	5863212.444	1031	648623.599	5863090.634	1086	648640.955	5862964.208
922	648622.171	5863343.472	977	648602.416	5863210.285	1032	648625.262	5863087.987	1087	648641.707	5862962.601
923	648621.812	5863342.268	978	648602.582	5863208.817	1033	648625.274	5863085.817	1088	648642.107	5862961.090
924	648621.468	5863337.756	979	648603.018	5863207.396	1034	648625.535	5863082.904	1089	648644.650	5862954.429
925	648621.158	5863337.021	980	648603.369	5863206.549	1035	648625.662	5863082.106	1090	648645.034	5862954.173
926	648619.800	5863331.480	981	648603.673	5863204.653	1036	648625.717	5863081.459	1091	648645.400	5862953.919
927	648619.474	5863330.462	982	648603.576	5863202.852	1037	648626.086	5863076.979	1092	648645.956	5862953.396

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
1093	648646.872	5862950.707	1148	648686.009	5862770.588	1203	648717.615	5862643.791	1258	648724.827	5862506.910
1094	648647.676	5862949.321	1149	648685.853	5862770.203	1204	648718.120	5862642.449	1259	648724.651	5862506.864
1095	648647.085	5862943.139	1150	648684.845	5862767.967	1205	648719.162	5862640.729	1260	648722.206	5862505.796
1096	648648.282	5862940.135	1151	648683.956	5862762.809	1206	648720.596	5862638.150	1261	648721.550	5862505.523
1097	648648.266	5862939.705	1152	648679.986	5862757.371	1207	648722.437	5862633.131	1262	648721.007	5862504.689
1098	648648.392	5862935.432	1153	648679.338	5862755.641	1208	648723.031	5862631.789	1263	648718.156	5862500.309
1099	648651.052	5862928.209	1154	648679.308	5862755.548	1209	648724.088	5862629.702	1264	648717.600	5862495.143
1100	648651.163	5862927.808	1155	648679.227	5862755.281	1210	648725.252	5862622.314	1265	648716.749	5862491.911
1101	648651.393	5862926.413	1156	648679.080	5862753.872	1211	648726.953	5862620.537	1266	648717.368	5862489.400
1102	648651.777	5862924.946	1157	648678.510	5862751.873	1212	648727.767	5862615.804	1267	648716.881	5862485.540
1103	648652.619	5862921.811	1158	648677.818	5862747.392	1213	648727.720	5862614.938	1268	648717.323	5862483.229
1104	648653.288	5862919.394	1159	648677.945	5862746.261	1214	648727.764	5862614.350	1269	648716.774	5862480.460
1105	648653.328	5862918.584	1160	648676.655	5862740.494	1215	648727.737	5862614.004	1270	648716.606	5862478.710
1106	648656.216	5862911.050	1161	648676.652	5862740.478	1216	648729.625	5862608.400	1271	648712.416	5862472.580
1107	648656.568	5862909.711	1162	648676.469	5862736.401	1217	648729.827	5862605.667	1272	648712.231	5862472.145
1108	648658.492	5862903.678	1163	648676.473	5862736.386	1218	648728.486	5862601.103	1273	648711.859	5862471.600
1109	648658.620	5862903.354	1164	648676.472	5862736.300	1219	648728.503	5862599.283	1274	648710.153	5862469.099
1110	648659.188	5862898.278	1165	648677.120	5862732.279	1220	648728.901	5862597.698	1275	648709.256	5862467.730
1111	648661.430	5862895.130	1166	648677.281	5862730.625	1221	648728.796	5862595.823	1276	648707.825	5862464.191
1112	648666.189	5862889.282	1167	648677.493	5862729.394	1222	648729.737	5862593.396	1277	648706.344	5862464.289
1113	648668.331	5862887.259	1168	648677.449	5862728.874	1223	648729.707	5862592.892	1278	648706.234	5862464.368
1114	648668.604	5862885.521	1169	648677.161	5862726.678	1224	648730.120	5862591.434	1279	648703.426	5862467.274
1115	648668.695	5862881.791	1170	648677.591	5862725.116	1225	648730.243	5862589.125	1280	648699.660	5862471.553
1116	648669.129	5862880.123	1171	648677.717	5862723.463	1226	648731.993	5862584.744	1281	648695.941	5862474.536
1117	648672.395	5862874.944	1172	648677.212	5862720.061	1227	648732.772	5862583.277	1282	648694.383	5862476.536
1118	648679.637	5862872.267	1173	648677.129	5862719.903	1228	648732.833	5862582.880	1283	648693.304	5862477.542
1119	648681.385	5862870.154	1174	648675.902	5862718.180	1229	648733.734	5862580.720	1284	648692.874	5862478.617
1120	648682.927	5862866.520	1175	648675.561	5862715.373	1230	648734.044	5862578.426	1285	648692.056	5862479.582
1121	648684.800	5862862.283	1176	648682.479	5862715.586	1231	648736.090	5862575.237	1286	648691.679	5862482.341
1122	648685.266	5862860.155	1177	648683.058	5862696.752	1232	648737.788	5862571.566	1287	648690.994	5862483.737
1123	648690.387	5862855.916	1178	648683.227	5862696.629	1233	648738.285	5862570.308	1288	648691.193	5862485.871
1124	648691.154	5862855.035	1179	648684.267	5862695.972	1234	648739.435	5862566.945	1289	648688.946	5862487.966
1125	648691.980	5862853.484	1180	648684.313	5862695.945	1235	648739.534	5862566.141	1290	648687.362	5862489.862
1126	648696.169	5862843.363	1181	648684.326	5862695.933	1236	648739.724	5862565.493	1291	648683.221	5862493.542
1127	648698.901	5862837.772	1182	648684.879	5862695.439	1237	648740.656	5862559.562	1292	648682.892	5862493.673
1128	648700.870	5862830.983	1183	648685.971	5862694.739	1238	648741.226	5862559.069	1293	648682.581	5862493.815
1129	648701.896	5862826.093	1184	648690.282	5862690.259	1239	648742.889	5862554.471	1294	648682.407	5862494.407
1130	648702.003	5862825.710	1185	648692.110	5862687.542	1240	648744.354	5862552.733	1295	648680.638	5862497.220
1131	648702.001	5862824.736	1186	648692.956	5862686.753	1241	648745.311	5862546.915	1296	648678.110	5862499.442
1132	648700.886	5862820.126	1187	648693.561	5862686.220	1242	648747.859	5862542.373	1297	648677.899	5862500.138
1133	648700.080	5862816.739	1188	648694.752	5862685.226	1243	648748.306	5862541.877	1298	648675.958	5862503.242
1134	648699.321	5862811.724	1189	648695.001	5862684.645	1244	648748.538	5862540.784	1299	648675.797	5862503.641
1135	648698.685	5862807.045	1190	648695.780	5862682.566	1245	648747.426	5862537.540	1300	648674.929	5862506.064
1136	648697.626	5862798.563	1191	648698.219	5862679.052	1246	648746.620	5862534.006	1301	648673.930	5862508.659
1137	648696.483	5862795.707	1192	648698.596	5862678.063	1247	648746.341	5862532.818	1302	648673.961	5862509.806
1138	648696.516	5862794.545	1193	648701.015	5862674.377	1248	648745.324	5862526.954	1303	648672.705	5862512.373
1139	648695.148	5862790.666	1194	648702.878	5862671.197	1249	648744.702	5862525.188	1304	648672.592	5862512.651
1140	648693.418	5862787.966	1195	648702.973	5862671.041	1250	648744.454	5862524.933	1305	648669.595	5862517.522
1141	648692.565	5862786.319	1196	648707.072	5862667.531	1251	648743.927	5862524.392	1306	648669.317	5862518.166
1142	648692.434	5862786.006	1197	648707.492	5862666.341	1252	648743.474	5862524.172	1307	648667.843	5862521.792
1143	648690.182	5862783.299	1198	648707.978	5862664.259	1253	648740.608	5862521.433	1308	648667.303	5862522.447
1144	648689.898	5862782.887	1199	648708.120	5862663.615	1254	648735.171	5862517.987	1309	648665.844	5862524.222
1145	648687.821	5862777.125	1200	648711.848	5862653.152	1255	648731.454	5862514.834	1310	648664.732	5862527.147
1146	648687.610	5862774.569	1201	648713.843	5862651.229	1256	648725.922	5862508.220	1311	648663.515	5862530.210
1147	648687.496	5862773.730	1202	648714.342	5862650.238	1257	648724.861	5862506.966	1312	648662.351	5862532.317

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
1313	648662.038	5862532.598	1368	648512.446	5862695.905	1423	648418.532	5862664.795	1478	648313.188	5862640.064
1314	648660.448	5862536.776	1369	648512.146	5862696.090	1424	648409.293	5862666.258	1479	648311.561	5862638.900
1315	648660.092	5862537.223	1370	648510.137	5862696.647	1425	648408.489	5862666.384	1480	648309.922	5862637.728
1316	648659.364	5862538.623	1371	648509.270	5862697.011	1426	648406.899	5862666.629	1481	648307.496	5862635.596
1317	648658.418	5862540.526	1372	648506.594	5862699.980	1427	648404.386	5862666.347	1482	648306.126	5862633.396
1318	648657.073	5862542.926	1373	648505.982	5862700.510	1428	648401.448	5862666.121	1483	648305.315	5862630.289
1319	648656.110	5862543.970	1374	648505.011	5862701.101	1429	648400.557	5862665.850	1484	648305.165	5862629.426
1320	648655.906	5862544.724	1375	648502.445	5862702.337	1430	648399.851	5862666.418	1485	648305.389	5862628.483
1321	648655.630	5862545.615	1376	648498.981	5862704.304	1431	648398.018	5862667.671	1486	648305.429	5862628.310
1322	648652.464	5862550.530	1377	648498.532	5862704.613	1432	648396.782	5862668.335	1487	648306.337	5862624.423
1323	648652.051	5862551.991	1378	648497.711	5862704.974	1433	648395.391	5862668.900	1488	648306.964	5862623.501
1324	648651.731	5862552.294	1379	648496.308	5862705.282	1434	648390.992	5862672.386	1489	648307.828	5862622.781
1325	648645.431	5862552.100	1380	648493.006	5862705.695	1435	648390.422	5862672.602	1490	648310.283	5862619.069
1326	648639.397	5862565.829	1381	648492.072	5862705.270	1436	648388.114	5862673.131	1491	648311.073	5862617.494
1327	648630.705	5862574.839	1382	648489.213	5862704.259	1437	648387.929	5862673.220	1492	648311.397	5862616.384
1328	648615.979	5862597.578	1383	648488.881	5862704.417	1438	648386.501	5862674.918	1493	648314.114	5862612.145
1329	648606.399	5862605.014	1384	648488.465	5862704.706	1439	648384.479	5862674.915	1494	648314.735	5862611.142
1330	648596.819	5862612.451	1385	648486.368	5862704.509	1440	648383.456	5862674.703	1495	648317.391	5862606.676
1331	648587.239	5862619.887	1386	648482.972	5862704.228	1441	648381.482	5862675.029	1496	648319.196	5862601.993
1332	648585.892	5862621.967	1387	648479.576	5862703.946	1442	648380.531	5862674.727	1497	648319.537	5862601.105
1333	648572.514	5862642.626	1388	648479.275	5862703.738	1443	648379.624	5862674.643	1498	648319.389	5862599.257
1334	648558.501	5862642.195	1389	648478.395	5862703.380	1444	648378.937	5862674.406	1499	648320.195	5862595.402
1335	648550.230	5862650.768	1390	648475.822	5862703.872	1445	648372.664	5862673.772	1500	648320.916	5862594.104
1336	648549.900	5862651.822	1391	648472.901	5862703.033	1446	648372.211	5862673.485	1501	648322.246	5862591.612
1337	648549.931	5862652.261	1392	648469.864	5862701.813	1447	648370.657	5862671.917	1502	648322.617	5862591.314
1338	648549.138	5862653.336	1393	648469.416	5862700.659	1448	648370.397	5862671.853	1503	648322.912	5862590.930
1339	648548.019	5862655.383	1394	648468.712	5862699.248	1449	648366.862	5862669.617	1504	648323.965	5862588.102
1340	648546.901	5862657.431	1395	648468.705	5862698.452	1450	648364.982	5862669.189	1505	648324.485	5862586.704
1341	648545.114	5862658.563	1396	648465.422	5862692.871	1451	648361.707	5862667.805	1506	648326.083	5862582.979
1342	648544.758	5862660.676	1397	648465.004	5862691.604	1452	648358.749	5862666.722	1507	648326.444	5862581.792
1343	648542.077	5862661.210	1398	648464.894	5862691.362	1453	648355.792	5862665.639	1508	648326.946	5862580.411
1344	648541.370	5862661.798	1399	648464.608	5862691.085	1454	648354.231	5862664.828	1509	648327.266	5862578.865
1345	648540.670	5862662.774	1400	648464.155	5862690.610	1455	648353.695	5862664.676	1510	648326.976	5862577.776
1346	648539.801	5862664.755	1401	648461.322	5862687.504	1456	648352.750	5862664.046	1511	648328.993	5862572.472
1347	648538.749	5862668.237	1402	648461.389	5862683.029	1457	648350.261	5862662.603	1512	648332.614	5862566.606
1348	648538.485	5862668.823	1403	648460.310	5862681.249	1458	648347.772	5862661.159	1513	648332.819	5862566.258
1349	648538.134	5862669.587	1404	648459.417	5862679.617	1459	648346.317	5862660.422	1514	648332.887	5862565.989
1350	648537.684	5862670.199	1405	648458.981	5862678.982	1460	648343.685	5862659.370	1515	648334.238	5862561.269
1351	648533.837	5862672.026	1406	648456.178	5862676.699	1461	648342.781	5862658.990	1516	648333.884	5862558.516
1352	648533.683	5862672.269	1407	648450.746	5862671.537	1462	648337.613	5862656.595	1517	648336.288	5862553.845
1353	648532.868	5862677.121	1408	648449.244	5862670.450	1463	648337.528	5862656.549	1518	648335.803	5862549.883
1354	648532.571	5862677.418	1409	648449.053	5862670.342	1464	648337.483	5862656.526	1519	648337.328	5862547.980
1355	648532.129	5862678.109	1410	648448.676	5862670.209	1465	648333.887	5862654.601	1520	648336.774	5862547.019
1356	648532.161	5862678.758	1411	648445.439	5862669.329	1466	648333.401	5862653.016	1521	648335.374	5862545.077
1357	648531.522	5862680.487	1412	648444.656	5862668.787	1467	648332.795	5862651.916	1522	648335.207	5862542.051
1358	648531.597	5862682.285	1413	648443.430	5862668.478	1468	648331.153	5862650.749	1523	648335.317	5862541.545
1359	648530.595	5862683.024	1414	648440.207	5862668.454	1469	648329.512	5862649.582	1524	648335.298	5862541.172
1360	648529.756	5862683.431	1415	648439.216	5862668.979	1470	648327.591	5862648.663	1525	648335.088	5862539.188
1361	648527.710	5862685.431	1416	648438.156	5862669.521	1471	648326.290	5862647.845	1526	648335.355	5862538.207
1362	648523.434	5862687.172	1417	648436.831	5862670.017	1472	648323.965	5862647.447	1527	648334.580	5862535.465
1363	648523.339	5862687.226	1418	648436.305	5862670.079	1473	648322.167	5862647.139	1528	648334.407	5862533.403
1364	648520.386	5862689.819	1419	648433.329	5862671.753	1474	648319.919	5862645.590	1529	648334.657	5862531.894
1365	648517.433	5862692.413	1420	648425.093	5862670.061	1475	648317.670	5862644.040	1530	648335.591	5862529.285
1366	648516.671	5862692.829	1421	648423.823	5862667.129	1476	648317.383	5862643.666	1531	648335.582	5862526.523
1367	648514.646	5862693.836	1422	648419.585	5862665.086	1477	648316.912	5862643.333	1532	648336.519	5862524.459

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
1533	648337.229	5862523.561	1588	648327.996	5862440.538	1643	648329.677	5862322.979	1698	648400.323	5862258.045
1534	648338.265	5862521.034	1589	648324.388	5862437.610	1644	648330.754	5862318.255	1699	648400.596	5862257.803
1535	648338.694	5862519.798	1590	648324.173	5862436.208	1645	648330.900	5862317.633	1700	648401.049	5862257.343
1536	648339.431	5862517.820	1591	648325.352	5862432.140	1646	648331.171	5862316.497	1701	648403.772	5862254.335
1537	648341.901	5862513.218	1592	648325.049	5862429.567	1647	648331.548	5862315.170	1702	648405.184	5862251.861
1538	648342.467	5862512.329	1593	648324.959	5862427.917	1648	648331.788	5862313.578	1703	648405.676	5862251.137
1539	648342.603	5862511.145	1594	648325.635	5862426.180	1649	648332.862	5862312.067	1704	648408.899	5862246.721
1540	648342.952	5862510.452	1595	648326.659	5862424.331	1650	648333.757	5862310.930	1705	648411.070	5862243.520
1541	648345.036	5862507.884	1596	648328.924	5862421.825	1651	648334.931	5862310.633	1706	648411.349	5862243.000
1542	648345.211	5862507.411	1597	648329.365	5862421.283	1652	648335.445	5862310.116	1707	648411.905	5862241.531
1543	648347.407	5862504.373	1598	648331.059	5862419.237	1653	648336.414	5862308.817	1708	648412.379	5862240.778
1544	648347.870	5862502.664	1599	648332.986	5862416.783	1654	648336.666	5862307.216	1709	648413.174	5862238.268
1545	648348.431	5862502.100	1600	648333.887	5862415.538	1655	648336.313	5862306.185	1710	648413.741	5862236.209
1546	648349.239	5862499.788	1601	648333.384	5862413.850	1656	648335.880	5862305.660	1711	648414.036	5862235.583
1547	648349.279	5862499.302	1602	648331.752	5862412.375	1657	648336.129	5862303.154	1712	648415.037	5862233.498
1548	648349.720	5862494.708	1603	648329.913	5862409.172	1658	648335.403	5862299.284	1713	648416.596	5862231.910
1549	648350.486	5862492.945	1604	648329.275	5862406.617	1659	648335.504	5862294.560	1714	648417.709	5862228.116
1550	648350.661	5862492.663	1605	648329.327	5862405.036	1660	648335.604	5862289.837	1715	648419.242	5862226.945
1551	648350.705	5862492.601	1606	648329.529	5862403.302	1661	648335.875	5862289.475	1716	648421.921	5862224.932
1552	648352.189	5862490.585	1607	648329.571	5862400.518	1662	648335.986	5862289.267	1717	648422.881	5862225.150
1553	648352.205	5862488.731	1608	648326.302	5862398.267	1663	648336.307	5862288.849	1718	648425.865	5862224.848
1554	648354.029	5862483.805	1609	648325.467	5862395.090	1664	648337.314	5862288.361	1719	648426.312	5862224.637
1555	648354.124	5862483.556	1610	648324.559	5862391.046	1665	648337.944	5862287.935	1720	648426.811	5862224.459
1556	648354.202	5862483.050	1611	648323.965	5862389.641	1666	648342.899	5862284.590	1721	648426.914	5862224.366
1557	648353.537	5862480.112	1612	648323.276	5862388.014	1667	648348.722	5862280.377	1722	648428.006	5862223.499
1558	648353.654	5862479.299	1613	648322.428	5862386.210	1668	648349.366	5862279.831	1723	648429.338	5862222.625
1559	648354.050	5862475.393	1614	648320.724	5862385.501	1669	648350.127	5862278.992	1724	648430.025	5862222.010
1560	648354.262	5862473.923	1615	648320.229	5862377.022	1670	648353.709	5862275.745	1725	648431.509	5862221.000
1561	648354.845	5862472.370	1616	648320.819	5862376.029	1671	648354.770	5862274.701	1726	648432.382	5862220.435
1562	648354.815	5862471.574	1617	648320.673	5862375.172	1672	648354.961	5862274.643	1727	648434.190	5862219.800
1563	648355.298	5862470.169	1618	648320.805	5862374.502	1673	648354.998	5862274.314	1728	648438.584	5862217.153
1564	648355.602	5862469.192	1619	648321.303	5862371.985	1674	648356.427	5862271.526	1729	648440.708	5862218.391
1565	648356.226	5862468.563	1620	648321.299	5862370.497	1675	648357.857	5862268.737	1730	648442.788	5862217.001
1566	648357.273	5862467.398	1621	648321.980	5862367.912	1676	648360.286	5862266.543	1731	648443.055	5862216.601
1567	648358.222	5862461.255	1622	648322.116	5862367.532	1677	648360.979	5862265.917	1732	648443.887	5862215.800
1568	648358.251	5862461.195	1623	648322.423	5862365.181	1678	648362.714	5862264.349	1733	648444.787	5862215.165
1569	648358.269	5862461.075	1624	648323.182	5862361.134	1679	648364.501	5862264.049	1734	648446.212	5862212.818
1570	648359.853	5862456.150	1625	648323.406	5862360.956	1680	648366.152	5862263.134	1735	648447.175	5862211.256
1571	648360.532	5862452.518	1626	648323.965	5862359.085	1681	648368.744	5862263.625	1736	648448.557	5862209.918
1572	648360.543	5862452.100	1627	648324.436	5862357.503	1682	648371.107	5862263.367	1737	648449.491	5862208.863
1573	648360.647	5862451.176	1628	648323.965	5862354.199	1683	648373.470	5862263.108	1738	648450.425	5862207.809
1574	648359.191	5862448.601	1629	648323.881	5862353.616	1684	648373.871	5862263.185	1739	648452.293	5862205.700
1575	648359.225	5862447.776	1630	648323.699	5862352.013	1685	648374.977	5862262.716	1740	648453.322	5862204.463
1576	648358.936	5862447.266	1631	648323.965	5862350.873	1686	648377.008	5862261.687	1741	648453.879	5862203.372
1577	648357.369	5862445.840	1632	648323.969	5862350.853	1687	648379.719	5862261.217	1742	648455.218	5862201.801
1578	648356.711	5862445.191	1633	648324.207	5862350.069	1688	648382.430	5862260.747	1743	648456.558	5862200.230
1579	648355.780	5862443.716	1634	648325.895	5862347.424	1689	648383.419	5862261.590	1744	648457.423	5862198.744
1580	648352.885	5862443.240	1635	648326.899	5862345.913	1690	648384.942	5862262.072	1745	648458.288	5862197.259
1581	648349.743	5862442.192	1636	648327.538	5862344.953	1691	648386.030	5862262.441	1746	648459.886	5862196.589
1582	648349.055	5862442.015	1637	648327.875	5862339.047	1692	648386.355	5862262.557	1747	648460.424	5862195.298
1583	648344.786	5862441.605	1638	648327.752	5862337.194	1693	648388.913	5862262.125	1748	648460.962	5862194.007
1584	648342.371	5862437.436	1639	648327.615	5862335.264	1694	648392.054	5862261.505	1749	648461.211	5862193.593
1585	648340.111	5862441.598	1640	648328.360	5862331.312	1695	648393.145	5862261.222	1750	648462.515	5862192.403
1586	648335.549	5862441.683	1641	648328.400	5862327.653	1696	648396.525	5862259.716	1751	648463.820	5862191.213
1587	648331.068	5862439.396	1642	648328.579	5862326.473	1697	648399.906	5862258.209	1752	648464.609	5862190.520

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
1753	648465.399	5862189.827	1808	648532.336	5862107.995	1863	648600.752	5862023.352	1918	648668.786	5861937.908
1754	648466.375	5862188.624	1809	648532.552	5862107.620	1864	648601.536	5862023.034	1919	648667.507	5861934.544
1755	648467.352	5862187.421	1810	648532.543	5862106.375	1865	648601.971	5862022.837	1920	648667.556	5861933.416
1756	648467.657	5862186.935	1811	648532.335	5862102.179	1866	648602.258	5862022.716	1921	648667.288	5861932.121
1757	648468.777	5862186.164	1812	648532.461	5862101.636	1867	648605.437	5862022.027	1922	648667.561	5861930.917
1758	648469.249	5862185.501	1813	648532.703	5862100.873	1868	648608.616	5862021.337	1923	648668.477	5861927.165
1759	648469.722	5862184.837	1814	648534.205	5862096.940	1869	648609.799	5862020.761	1924	648670.058	5861923.035
1760	648471.004	5862184.847	1815	648535.514	5862094.125	1870	648614.186	5862018.739	1925	648669.994	5861920.102
1761	648472.287	5862184.857	1816	648539.544	5862089.158	1871	648616.109	5862017.868	1926	648670.203	5861919.142
1762	648474.059	5862185.269	1817	648540.454	5862086.735	1872	648616.941	5862017.434	1927	648670.679	5861917.507
1763	648474.249	5862185.563	1818	648540.562	5862084.883	1873	648617.840	5862017.096	1928	648670.845	5861916.986
1764	648475.669	5862185.864	1819	648541.859	5862083.631	1874	648619.724	5862016.332	1929	648671.522	5861914.075
1765	648477.086	5862186.566	1820	648543.095	5862078.281	1875	648621.003	5862016.132	1930	648671.326	5861910.544
1766	648477.272	5862186.754	1821	648544.938	5862076.327	1876	648622.611	5862015.220	1931	648671.011	5861910.016
1767	648477.492	5862186.719	1822	648547.865	5862071.143	1877	648622.996	5862014.622	1932	648670.655	5861908.682
1768	648480.852	5862184.808	1823	648548.007	5862070.856	1878	648625.253	5862011.941	1933	648671.550	5861906.060
1769	648484.145	5862182.161	1824	648550.613	5862069.555	1879	648626.140	5862010.683	1934	648671.502	5861902.453
1770	648484.295	5862181.949	1825	648552.294	5862068.272	1880	648628.216	5862008.149	1935	648669.854	5861899.000
1771	648489.820	5862179.800	1826	648554.870	5862065.726	1881	648631.485	5862008.114	1936	648669.843	5861898.164
1772	648492.867	5862179.344	1827	648555.536	5862064.742	1882	648633.987	5862006.004	1937	648667.618	5861893.898
1773	648494.717	5862177.381	1828	648555.717	5862063.251	1883	648634.903	5862005.270	1938	648670.833	5861887.164
1774	648495.256	5862176.878	1829	648557.680	5862060.704	1884	648635.523	5862004.599	1939	648665.837	5861883.033
1775	648496.646	5862175.192	1830	648559.642	5862058.158	1885	648636.953	5862000.302	1940	648659.711	5861884.871
1776	648498.996	5862173.714	1831	648559.690	5862058.072	1886	648636.991	5862000.200	1941	648658.598	5861883.527
1777	648500.410	5862172.081	1832	648559.709	5862057.934	1887	648636.997	5862000.146	1942	648656.960	5861883.406
1778	648500.731	5862171.804	1833	648559.787	5862057.159	1888	648638.573	5861997.266	1943	648654.126	5861883.019
1779	648501.546	5862171.067	1834	648559.955	5862054.993	1889	648640.269	5861995.522	1944	648652.498	5861882.284
1780	648503.579	5862169.399	1835	648561.648	5862053.990	1890	648641.538	5861992.474	1945	648651.548	5861881.730
1781	648507.376	5862166.218	1836	648562.489	5862052.991	1891	648641.578	5861991.315	1946	648650.855	5861881.342
1782	648510.267	5862160.739	1837	648564.457	5862052.199	1892	648641.349	5861989.460	1947	648649.543	5861880.701
1783	648511.446	5862158.469	1838	648564.916	5862051.189	1893	648641.577	5861987.280	1948	648648.272	5861879.614
1784	648511.646	5862156.567	1839	648567.511	5862047.949	1894	648641.010	5861982.306	1949	648647.275	5861878.762
1785	648511.830	5862153.574	1840	648571.307	5862044.697	1895	648640.873	5861979.220	1950	648645.550	5861878.583
1786	648512.015	5862150.581	1841	648571.509	5862044.621	1896	648639.560	5861976.010	1951	648644.299	5861878.507
1787	648512.059	5862150.043	1842	648572.861	5862042.067	1897	648639.626	5861974.698	1952	648642.877	5861878.351
1788	648512.250	5862145.237	1843	648574.214	5862039.514	1898	648639.760	5861974.162	1953	648641.842	5861878.814
1789	648512.679	5862144.408	1844	648574.697	5862038.749	1899	648640.087	5861971.107	1954	648638.038	5861879.303
1790	648513.528	5862143.229	1845	648575.569	5862037.348	1900	648641.075	5861969.346	1955	648636.900	5861879.512
1791	648513.781	5862142.539	1846	648575.799	5862037.188	1901	648641.235	5861969.112	1956	648634.393	5861880.388
1792	648515.173	5862139.681	1847	648576.449	5862036.431	1902	648641.348	5861967.952	1957	648633.817	5861880.911
1793	648516.039	5862138.822	1848	648577.986	5862034.590	1903	648641.690	5861965.236	1958	648631.516	5861882.071
1794	648517.637	5862137.795	1849	648578.754	5862033.670	1904	648644.578	5861962.060	1959	648629.052	5861885.018
1795	648518.880	5862134.066	1850	648579.522	5862032.749	1905	648646.149	5861960.709	1960	648627.376	5861886.118
1796	648519.057	5862131.763	1851	648581.111	5862031.860	1906	648647.530	5861957.697	1961	648624.118	5861887.872
1797	648520.029	5862128.920	1852	648582.971	5862029.897	1907	648647.970	5861956.957	1962	648623.073	5861888.776
1798	648521.895	5862125.377	1853	648583.957	5862029.299	1908	648648.224	5861956.542	1963	648621.695	5861889.562
1799	648523.093	5862123.169	1854	648585.981	5862028.858	1909	648648.976	5861955.483	1964	648617.865	5861890.050
1800	648523.647	5862122.426	1855	648588.004	5862028.418	1910	648651.452	5861953.511	1965	648616.474	5861890.025
1801	648525.519	5862119.022	1856	648590.028	5862027.977	1911	648654.858	5861950.804	1966	648609.955	5861890.519
1802	648525.804	5862118.235	1857	648592.051	5862027.536	1912	648656.111	5861949.818	1967	648609.664	5861890.485
1803	648527.299	5862115.741	1858	648592.072	5862027.104	1913	648659.091	5861947.966	1968	648607.355	5861889.806
1804	648527.871	5862113.750	1859	648592.937	5862025.546	1914	648661.012	5861944.838	1969	648602.885	5861889.023
1805	648528.515	5862113.193	1860	648597.364	5862024.477	1915	648662.065	5861943.766	1970	648601.891	5861888.045
1806	648531.243	5862109.797	1861	648599.820	5862023.363	1916	648664.361	5861940.570	1971	648600.579	5861886.038
1807	648532.172	5862108.283	1862	648600.300	5862023.505	1917	648666.573	5861938.483	1972	648600.303	5861885.606

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
1973	648598.975	5861883.533	2028	648596.358	5861789.409	2083	648707.076	5861691.458	2138	648758.571	5861562.281
1974	648598.855	5861883.091	2029	648597.228	5861786.115	2084	648708.781	5861689.484	2139	648759.843	5861562.244
1975	648598.465	5861881.797	2030	648598.158	5861782.994	2085	648710.556	5861687.080	2140	648762.762	5861561.623
1976	648597.885	5861881.058	2031	648600.952	5861779.342	2086	648711.595	5861685.499	2141	648764.633	5861561.309
1977	648597.332	5861880.254	2032	648601.839	5861778.383	2087	648713.013	5861682.921	2142	648766.076	5861561.948
1978	648596.943	5861879.727	2033	648602.651	5861774.755	2088	648713.673	5861681.506	2143	648768.717	5861560.326
1979	648595.409	5861878.354	2034	648603.990	5861773.665	2089	648718.758	5861678.906	2144	648770.021	5861559.555
1980	648594.223	5861875.747	2035	648604.371	5861773.223	2090	648719.510	5861678.450	2145	648772.859	5861559.340
1981	648592.566	5861871.743	2036	648609.110	5861765.090	2091	648719.813	5861677.394	2146	648774.258	5861559.138
1982	648592.294	5861871.328	2037	648609.436	5861764.661	2092	648720.547	5861671.894	2147	648777.616	5861558.519
1983	648592.013	5861870.973	2038	648610.716	5861763.931	2093	648720.930	5861670.220	2148	648780.517	5861555.322
1984	648591.553	5861869.676	2039	648613.118	5861763.106	2094	648720.716	5861668.821	2149	648785.876	5861549.581
1985	648590.751	5861867.418	2040	648616.669	5861759.353	2095	648718.692	5861663.584	2150	648790.322	5861547.017
1986	648590.051	5861866.043	2041	648617.666	5861758.502	2096	648718.586	5861663.586	2151	648802.932	5861544.732
1987	648588.823	5861860.829	2042	648619.902	5861755.567	2097	648711.977	5861661.789	2152	648809.703	5861542.227
1988	648588.755	5861860.565	2043	648620.704	5861754.943	2098	648708.500	5861661.427	2153	648813.721	5861541.042
1989	648588.628	5861859.861	2044	648625.947	5861751.993	2099	648698.280	5861652.534	2154	648815.048	5861540.022
1990	648587.409	5861856.772	2045	648629.949	5861752.215	2100	648697.916	5861650.994	2155	648814.941	5861537.610
1991	648587.192	5861856.294	2046	648632.765	5861751.308	2101	648700.898	5861631.252	2156	648815.629	5861531.805
1992	648586.593	5861854.120	2047	648636.492	5861748.092	2102	648702.429	5861627.053	2157	648817.081	5861527.774
1993	648586.217	5861853.469	2048	648636.812	5861747.945	2103	648702.441	5861624.129	2158	648817.554	5861526.969
1994	648585.811	5861851.633	2049	648641.263	5861743.092	2104	648702.628	5861623.505	2159	648831.719	5861511.719
1995	648585.671	5861851.175	2050	648641.892	5861742.652	2105	648706.728	5861618.179	2160	648832.740	5861511.826
1996	648583.931	5861848.972	2051	648645.256	5861739.863	2106	648711.790	5861615.798	2161	648834.646	5861510.749
1997	648583.672	5861845.295	2052	648646.326	5861739.065	2107	648712.013	5861615.545	2162	648837.372	5861509.418
1998	648583.328	5861840.702	2053	648650.056	5861736.025	2108	648712.290	5861615.214	2163	648838.696	5861508.609
1999	648583.413	5861838.237	2054	648650.644	5861735.118	2109	648716.890	5861611.911	2164	648840.395	5861507.165
2000	648583.871	5861834.429	2055	648654.023	5861731.707	2110	648719.477	5861609.063	2165	648844.359	5861499.768
2001	648585.092	5861831.796	2056	648654.110	5861731.614	2111	648719.720	5861605.334	2166	648844.870	5861499.070
2002	648585.396	5861831.017	2057	648657.562	5861728.638	2112	648719.587	5861604.798	2167	648845.912	5861495.618
2003	648585.397	5861830.512	2058	648659.643	5861727.336	2113	648719.550	5861604.098	2168	648849.299	5861492.486
2004	648585.932	5861828.985	2059	648660.731	5861727.069	2114	648719.332	5861602.759	2169	648849.520	5861492.281
2005	648587.114	5861827.188	2060	648664.250	5861725.702	2115	648719.781	5861601.392	2170	648851.233	5861488.183
2006	648587.209	5861826.897	2061	648664.909	5861723.552	2116	648722.917	5861599.780	2171	648851.181	5861487.552
2007	648587.757	5861825.054	2062	648666.626	5861722.048	2117	648723.976	5861597.753	2172	648851.260	5861487.392
2008	648587.735	5861824.582	2063	648668.706	5861721.391	2118	648725.035	5861595.727	2173	648852.890	5861484.064
2009	648587.704	5861822.974	2064	648673.460	5861717.920	2119	648725.344	5861594.566	2174	648854.794	5861481.519
2010	648588.131	5861821.061	2065	648673.783	5861717.680	2120	648727.328	5861592.446	2175	648855.491	5861481.117
2011	648588.145	5861817.454	2066	648674.230	5861717.445	2121	648729.311	5861590.326	2176	648856.531	5861480.732
2012	648588.108	5861816.833	2067	648677.544	5861716.485	2122	648732.196	5861589.133	2177	648859.085	5861480.881
2013	648588.377	5861815.222	2068	648677.889	5861716.414	2123	648735.081	5861587.941	2178	648860.590	5861481.255
2014	648588.657	5861814.027	2069	648678.543	5861716.227	2124	648735.904	5861587.841	2179	648862.901	5861481.705
2015	648588.659	5861813.622	2070	648682.750	5861712.890	2125	648738.830	5861587.271	2180	648863.284	5861482.460
2016	648588.598	5861812.705	2071	648684.990	5861712.244	2126	648740.025	5861587.408	2181	648865.441	5861481.448
2017	648588.600	5861812.575	2072	648689.421	5861710.223	2127	648740.485	5861587.040	2182	648869.820	5861480.019
2018	648588.734	5861810.671	2073	648689.603	5861710.054	2128	648739.727	5861585.789	2183	648873.945	5861478.543
2019	648588.726	5861809.282	2074	648690.570	5861709.317	2129	648740.314	5861581.561	2184	648880.697	5861478.162
2020	648590.084	5861803.215	2075	648693.356	5861707.427	2130	648738.370	5861577.770	2185	648883.817	5861478.943
2021	648590.611	5861801.871	2076	648694.234	5861706.769	2131	648738.329	5861577.514	2186	648884.459	5861478.892
2022	648590.873	5861801.194	2077	648696.335	5861705.031	2132	648741.168	5861570.037	2187	648888.876	5861476.111
2023	648590.995	5861800.915	2078	648698.939	5861701.890	2133	648741.994	5861569.535	2188	648893.011	5861475.061
2024	648593.229	5861794.432	2079	648702.515	5861699.858	2134	648746.647	5861563.283	2189	648899.458	5861471.625
2025	648593.265	5861794.346	2080	648704.203	5861696.937	2135	648749.896	5861563.127	2190	648902.225	5861468.135
2026	648595.975	5861791.373	2081	648704.979	5861694.696	2136	648750.674	5861562.932	2191	648910.779	5861462.352
2027	648596.163	5861790.095	2082	648705.406	5861692.874	2137	648755.322	5861562.311	2192	648915.293	5861461.270

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
2193	648922.368	5861453.345	2248	649006.114	5861351.215	2303	648854.627	5861465.154	2358	648780.261	5861402.766
2194	648924.519	5861450.735	2249	649003.531	5861353.352	2304	648853.550	5861465.232	2359	648781.243	5861396.361
2195	648924.957	5861450.285	2250	649001.750	5861354.996	2305	648850.426	5861466.046	2360	648781.175	5861395.597
2196	648927.562	5861448.261	2251	648997.230	5861359.438	2306	648847.226	5861469.007	2361	648781.057	5861394.942
2197	648932.869	5861446.596	2252	648979.009	5861361.978	2307	648845.028	5861470.255	2362	648780.451	5861388.066
2198	648933.969	5861446.491	2253	648977.170	5861362.800	2308	648843.942	5861471.435	2363	648781.440	5861383.118
2199	648934.330	5861446.173	2254	648972.367	5861368.214	2309	648843.466	5861471.913	2364	648781.010	5861381.780
2200	648942.770	5861439.477	2255	648970.100	5861370.944	2310	648841.919	5861473.374	2365	648779.066	5861374.839
2201	648946.514	5861436.323	2256	648968.204	5861372.583	2311	648840.949	5861475.312	2366	648779.289	5861372.894
2202	648948.888	5861435.730	2257	648963.556	5861375.795	2312	648840.033	5861476.268	2367	648779.435	5861371.619
2203	648957.488	5861432.992	2258	648962.920	5861376.055	2313	648831.161	5861478.241	2368	648778.879	5861369.387
2204	648958.266	5861432.201	2259	648956.468	5861378.694	2314	648827.838	5861476.192	2369	648784.466	5861361.250
2205	648962.509	5861426.855	2260	648949.510	5861381.541	2315	648826.540	5861474.290	2370	648787.192	5861360.378
2206	648963.355	5861425.421	2261	648940.799	5861390.322	2316	648826.366	5861473.945	2371	648790.264	5861359.583
2207	648966.015	5861422.025	2262	648939.931	5861390.570	2317	648824.549	5861471.117	2372	648791.929	5861357.360
2208	648968.251	5861417.766	2263	648936.148	5861391.058	2318	648823.228	5861470.506	2373	648794.782	5861353.257
2209	648970.738	5861413.607	2264	648929.671	5861392.524	2319	648821.206	5861467.376	2374	648794.985	5861352.788
2210	648975.559	5861408.097	2265	648924.268	5861392.075	2320	648818.327	5861464.865	2375	648795.347	5861351.513
2211	648978.381	5861405.199	2266	648919.819	5861391.739	2321	648817.805	5861464.410	2376	648796.192	5861350.018
2212	648990.512	5861394.656	2267	648918.747	5861391.334	2322	648815.901	5861462.411	2377	648796.849	5861349.268
2213	648999.448	5861395.128	2268	648918.312	5861391.736	2323	648814.732	5861453.685	2378	648799.797	5861343.944
2214	649001.154	5861395.006	2269	648914.671	5861395.129	2324	648814.912	5861453.388	2379	648800.154	5861343.481
2215	649002.300	5861391.324	2270	648914.471	5861395.391	2325	648819.539	5861449.076	2380	648800.274	5861343.075
2216	649003.013	5861389.445	2271	648913.805	5861396.420	2326	648822.667	5861446.090	2381	648800.503	5861342.334
2217	649009.437	5861380.183	2272	648912.532	5861398.218	2327	648824.344	5861444.870	2382	648800.520	5861341.114
2218	649009.917	5861379.819	2273	648911.869	5861399.484	2328	648826.449	5861442.528	2383	648800.480	5861338.616
2219	649009.543	5861375.532	2274	648909.007	5861404.690	2329	648828.451	5861441.083	2384	648802.505	5861331.766
2220	649011.290	5861365.563	2275	648902.884	5861407.916	2330	648831.047	5861439.399	2385	648802.543	5861330.308
2221	649011.582	5861364.753	2276	648902.018	5861408.783	2331	648831.360	5861439.278	2386	648803.272	5861328.699
2222	649025.725	5861349.630	2277	648897.110	5861415.728	2332	648835.380	5861438.907	2387	648803.661	5861327.887
2223	649034.395	5861346.730	2278	648896.915	5861416.186	2333	648835.856	5861438.378	2388	648803.916	5861326.525
2224	649035.451	5861346.605	2279	648895.509	5861419.490	2334	648838.770	5861437.508	2389	648804.013	5861325.627
2225	649039.150	5861343.418	2280	648894.389	5861421.711	2335	648838.900	5861437.494	2390	648804.131	5861324.114
2226	649059.594	5861337.293	2281	648893.106	5861431.261	2336	648840.189	5861437.483	2391	648804.843	5861322.028
2227	649065.011	5861336.157	2282	648893.021	5861432.259	2337	648841.054	5861437.340	2392	648803.546	5861317.957
2228	649066.053	5861335.601	2283	648892.020	5861436.063	2338	648843.391	5861435.584	2393	648804.977	5861315.628
2229	649069.559	5861334.197	2284	648889.977	5861437.752	2339	648842.320	5861432.815	2394	648804.987	5861315.269
2230	649073.265	5861333.035	2285	648889.244	5861438.727	2340	648842.291	5861432.013	2395	648804.945	5861314.377
2231	649072.898	5861332.930	2286	648888.568	5861441.300	2341	648841.748	5861425.373	2396	648800.326	5861307.338
2232	649065.723	5861332.368	2287	648887.144	5861442.953	2342	648841.566	5861420.593	2397	648800.233	5861303.385
2233	649058.861	5861331.324	2288	648882.701	5861446.166	2343	648841.438	5861417.246	2398	648797.532	5861294.336
2234	649056.814	5861330.933	2289	648881.631	5861446.908	2344	648841.198	5861416.665	2399	648797.517	5861294.271
2235	649054.007	5861330.999	2290	648880.732	5861447.717	2345	648840.203	5861415.270	2400	648797.437	5861293.980
2236	649046.118	5861329.030	2291	648877.650	5861450.243	2346	648836.928	5861411.379	2401	648796.322	5861287.878
2237	649043.593	5861329.609	2292	648877.576	5861450.282	2347	648834.985	5861409.094	2402	648795.357	5861285.588
2238	649042.385	5861330.224	2293	648877.507	5861450.340	2348	648830.695	5861410.425	2403	648795.414	5861284.023
2239	649037.663	5861331.574	2294	648877.035	5861451.344	2349	648823.861	5861410.259	2404	648795.011	5861283.305
2240	649033.481	5861333.820	2295	648874.790	5861453.608	2350	648822.872	5861410.174	2405	648793.150	5861280.258
2241	649032.348	5861333.789	2296	648872.392	5861456.558	2351	648818.963	5861410.322	2406	648792.190	5861279.607
2242	649029.737	5861332.851	2297	648868.631	5861459.248	2352	648815.799	5861411.251	2407	648790.810	5861278.203
2243	649024.414	5861336.524	2298	648866.712	5861459.271	2353	648815.089	5861411.676	2408	648790.334	5861277.403
2244	649022.358	5861338.993	2299	648864.990	5861459.669	2354	648810.509	5861413.686	2409	648789.350	5861272.905
2245	649020.793	5861340.108	2300	648863.096	5861462.439	2355	648809.029	5861414.682	2410	648789.259	5861272.263
2246	649016.474	5861344.809	2301	648859.794	5861464.329	2356	648798.260	5861420.421	2411	648786.902	5861265.424
2247	649012.340	5861346.855	2302	648857.183	5861464.988	2357	648780.100	5861407.294	2412	648786.051	5861264.413

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
2413	648783.162	5861260.571	2468	648763.652	5861161.804	2523	648840.026	5861071.678	2578	648866.543	5860958.245
2414	648783.008	5861260.264	2469	648764.034	5861160.999	2524	648841.421	5861071.153	2579	648866.183	5860957.309
2415	648782.462	5861259.250	2470	648764.149	5861159.290	2525	648844.389	5861068.976	2580	648865.588	5860956.554
2416	648780.808	5861257.289	2471	648765.462	5861152.447	2526	648844.932	5861068.476	2581	648865.181	5860951.521
2417	648780.262	5861256.022	2472	648768.387	5861147.577	2527	648845.904	5861067.008	2582	648862.001	5860948.082
2418	648779.236	5861255.066	2473	648771.398	5861141.572	2528	648848.135	5861065.377	2583	648861.413	5860947.052
2419	648778.783	5861254.653	2474	648771.575	5861141.518	2529	648848.285	5861065.384	2584	648858.684	5860942.693
2420	648776.878	5861253.323	2475	648773.279	5861139.291	2530	648850.499	5861064.821	2585	648858.514	5860942.480
2421	648776.461	5861253.104	2476	648774.213	5861137.357	2531	648850.774	5861064.801	2586	648857.764	5860941.325
2422	648770.973	5861250.321	2477	648775.833	5861135.674	2532	648851.251	5861064.682	2587	648855.025	5860936.482
2423	648770.592	5861250.200	2478	648778.107	5861131.873	2533	648856.209	5861064.392	2588	648855.231	5860935.650
2424	648768.196	5861248.700	2479	648779.143	5861130.650	2534	648856.335	5861064.236	2589	648854.951	5860934.001
2425	648766.249	5861246.457	2480	648779.519	5861130.299	2535	648857.007	5861059.195	2590	648855.728	5860931.449
2426	648765.849	5861245.888	2481	648779.694	5861129.934	2536	648860.433	5861055.236	2591	648855.602	5860930.540
2427	648765.669	5861245.614	2482	648780.630	5861128.277	2537	648860.626	5861054.908	2592	648855.965	5860926.811
2428	648764.828	5861244.351	2483	648781.176	5861127.190	2538	648860.756	5861054.621	2593	648855.655	5860925.743
2429	648763.955	5861242.951	2484	648785.217	5861120.784	2539	648861.816	5861052.065	2594	648854.564	5860924.682
2430	648762.198	5861241.373	2485	648786.703	5861119.991	2540	648862.530	5861050.513	2595	648852.992	5860922.146
2431	648760.332	5861239.886	2486	648787.055	5861119.566	2541	648862.619	5861050.195	2596	648852.650	5860921.234
2432	648759.901	5861238.725	2487	648788.011	5861117.416	2542	648868.663	5861038.800	2597	648850.549	5860919.052
2433	648757.806	5861236.114	2488	648788.216	5861117.212	2543	648866.003	5861031.524	2598	648850.012	5860913.672
2434	648756.407	5861235.171	2489	648788.279	5861117.125	2544	648865.733	5861030.468	2599	648850.095	5860911.107
2435	648754.732	5861231.487	2490	648790.357	5861115.673	2545	648862.365	5861025.278	2600	648850.298	5860910.662
2436	648753.058	5861227.803	2491	648790.925	5861114.671	2546	648861.354	5861024.420	2601	648852.322	5860908.669
2437	648753.008	5861227.720	2492	648791.946	5861113.030	2547	648858.522	5861023.482	2602	648853.961	5860906.625
2438	648750.809	5861226.227	2493	648792.801	5861111.235	2548	648857.864	5861022.953	2603	648861.052	5860903.600
2439	648750.169	5861225.430	2494	648791.931	5861105.606	2549	648856.614	5861022.454	2604	648865.267	5860900.743
2440	648748.319	5861223.183	2495	648790.989	5861101.207	2550	648854.523	5861020.879	2605	648865.809	5860900.604
2441	648746.468	5861220.937	2496	648792.726	5861098.785	2551	648854.019	5861020.211	2606	648871.542	5860899.359
2442	648745.975	5861220.535	2497	648796.075	5861097.009	2552	648852.442	5861017.288	2607	648870.916	5860893.985
2443	648744.277	5861217.079	2498	648796.931	5861096.391	2553	648851.777	5861014.252	2608	648874.290	5860889.175
2444	648744.088	5861216.651	2499	648797.959	5861095.348	2554	648851.796	5861011.170	2609	648874.265	5860888.090
2445	648743.099	5861215.224	2500	648798.751	5861094.791	2555	648851.924	5861010.325	2610	648876.683	5860884.282
2446	648741.168	5861214.533	2501	648799.483	5861094.344	2556	648851.863	5861009.290	2611	648878.563	5860882.930
2447	648739.644	5861210.387	2502	648800.786	5861093.336	2557	648853.292	5861004.231	2612	648879.101	5860882.249
2448	648739.606	5861209.861	2503	648801.056	5861093.137	2558	648854.944	5861002.121	2613	648879.784	5860881.385
2449	648740.114	5861207.679	2504	648803.569	5861090.508	2559	648855.717	5860999.592	2614	648879.941	5860880.885
2450	648740.527	5861205.996	2505	648806.081	5861087.880	2560	648855.999	5860997.811	2615	648880.031	5860880.492
2451	648740.683	5861204.934	2506	648807.897	5861087.035	2561	648856.464	5860996.542	2616	648883.113	5860875.799
2452	648741.937	5861201.862	2507	648809.219	5861084.414	2562	648856.527	5860996.215	2617	648883.405	5860874.685
2453	648744.569	5861198.736	2508	648810.781	5861083.238	2563	648856.715	5860995.561	2618	648883.593	5860873.382
2454	648745.805	5861196.987	2509	648812.330	5861082.651	2564	648857.429	5860991.980	2619	648884.016	5860872.285
2455	648745.882	5861196.890	2510	648813.456	5861081.437	2565	648857.539	5860991.563	2620	648884.752	5860871.307
2456	648749.907	5861193.240	2511	648817.380	5861080.557	2566	648857.877	5860987.545	2621	648885.782	5860868.757
2457	648750.519	5861191.942	2512	648824.407	5861078.198	2567	648859.587	5860984.705	2622	648886.812	5860866.207
2458	648751.027	5861191.081	2513	648825.509	5861078.734	2568	648860.628	5860983.648	2623	648891.136	5860863.869
2459	648757.436	5861178.046	2514	648828.098	5861077.022	2569	648863.517	5860980.930	2624	648890.921	5860858.979
2460	648758.799	5861176.159	2515	648829.434	5861076.219	2570	648866.406	5860978.213	2625	648890.296	5860854.174
2461	648759.506	5861174.678	2516	648831.609	5861074.702	2571	648866.455	5860977.470	2626	648889.924	5860852.576
2462	648760.343	5861173.389	2517	648833.271	5861073.676	2572	648866.613	5860976.943	2627	648890.073	5860848.284
2463	648762.182	5861170.287	2518	648834.210	5861073.568	2573	648866.905	5860975.848	2628	648890.081	5860847.927
2464	648762.392	5861168.926	2519	648834.535	5861073.559	2574	648868.144	5860971.206	2629	648887.746	5860839.386
2465	648761.935	5861167.008	2520	648834.627	5861073.553	2575	648868.378	5860970.706	2630	648887.186	5860838.648
2466	648763.164	5861163.448	2521	648839.249	5861072.169	2576	648869.370	5860968.039	2631	648886.461	5860833.793
2467	648763.437	5861162.622	2522	648839.500	5861072.112	2577	648866.910	5860960.735	2632	648886.070	5860831.178

#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
2633	648881.474	5860822.600	2688	648914.720	5860679.882	2743	648959.457	5860579.714	2798	648946.001	5860186.998
2634	648884.497	5860815.682	2689	648914.964	5860679.717	2744	648959.590	5860578.093	2799	648928.002	5860201.004
2635	648888.256	5860813.784	2690	648915.123	5860679.521	2745	648960.888	5860576.777	2800	648897.002	5860203.000
2636	648890.082	5860807.980	2691	648915.235	5860679.155	2746	648962.259	5860574.742	2801	648864.002	5860189.003
2637	648891.261	5860805.978	2692	648915.037	5860676.468	2747	648963.629	5860572.708	2802	648829.001	5860175.001
2638	648892.007	5860805.186	2693	648917.685	5860674.362	2748	648964.370	5860571.114	2803	648796.000	5860170.000
2639	648891.832	5860804.653	2694	648918.740	5860672.672	2749	648965.329	5860570.719	2804	648761.000	5860175.001
2640	648893.182	5860801.614	2695	648920.731	5860669.454	2750	648966.641	5860568.946	2805	648741.999	5860186.996
2641	648893.603	5860796.974	2696	648921.888	5860666.571	2751	648967.058	5860567.965	2806	648730.998	5860225.999
2642	648895.293	5860785.741	2697	648922.536	5860665.866	2752	648968.838	5860565.692	2807	648704.003	5860256.995
2643	648897.798	5860780.915	2698	648924.660	5860662.391	2753	648971.036	5860561.919	2808	648700.002	5860293.998
2644	648899.628	5860777.549	2699	648925.575	5860661.436	2754	648973.263	5860560.880	2809	648694.998	5860314.995
2645	648901.036	5860775.301	2700	648929.076	5860658.188	2755	648974.054	5860559.605	2810	648681.000	5860333.000
2646	648902.047	5860774.613	2701	648931.960	5860654.823	2756	648975.239	5860557.631	2811	648658.001	5860339.005
2647	648902.748	5860773.538	2702	648933.915	5860653.250	2757	648976.081	5860556.871	2812	648600.999	5860324.005
2648	648902.457	5860772.717	2703	648936.549	5860650.028	2758	648976.420	5860556.485	2813	648551.997	5860359.002
2649	648902.264	5860769.092	2704	648938.507	5860647.694	2759	648978.135	5860555.212	2814	648543.000	5860371.004
2650	648904.240	5860765.760	2705	648939.281	5860647.147	2760	648978.675	5860554.812	2815	648549.000	5860399.999
2651	648906.216	5860762.429	2706	648940.136	5860645.189	2761	648980.926	5860552.689	2816	648540.998	5860448.000
2652	648906.240	5860762.245	2707	648940.974	5860642.850	2762	648982.473	5860551.863	2817	648544.997	5860461.002
2653	648906.287	5860758.404	2708	648941.939	5860639.880	2763	648982.878	5860551.650	2818	648543.998	5860498.999
2654	648909.468	5860757.209	2709	648942.905	5860636.909	2764	648984.946	5860549.084	2819	648526.000	5860540.003
2655	648909.911	5860757.099	2710	648944.056	5860635.505	2765	648985.455	5860548.523	2820	648510.003	5860548.996
2656	648911.539	5860755.587	2711	648945.206	5860634.100	2766	648986.162	5860547.350	2821	648473.999	5860545.998
2657	648912.108	5860754.801	2712	648945.210	5860633.170	2767	648988.757	5860544.882	2822	648443.998	5860548.004
2658	648912.841	5860752.508	2713	648945.939	5860631.720	2768	648991.056	5860542.616	2823	648423.003	5860557.000
2659	648913.019	5860751.804	2714	648946.667	5860630.270	2769	648992.006	5860542.076	2824	648401.999	5860573.999
2660	648913.159	5860750.233	2715	648947.396	5860628.820	2770	648992.530	5860541.722	2825	648397.997	5860584.998
2661	648916.257	5860747.532	2716	648948.124	5860627.370	2771	648993.631	5860541.343	2826	648421.002	5860610.996
2662	648918.144	5860746.949	2717	648948.494	5860627.037	2772	648994.508	5860541.111	2827	648437.001	5860655.003
2663	648918.603	5860744.100	2718	648949.625	5860625.912	2773	648997.395	5860539.631	2828	648443.003	5860662.000
2664	648917.635	5860736.885	2719	648950.729	5860624.950	2774	648997.746	5860539.430	2829	648448.003	5860681.001
2665	648916.459	5860734.531	2720	648951.313	5860623.816	2775	649002.179	5860537.322	2830	648405.999	5860695.997
2666	648916.020	5860732.502	2721	648952.829	5860620.801	2776	649005.498	5860535.605	2831	648385.003	5860717.996
2667	648917.274	5860729.706	2722	648954.346	5860617.786	2777	649005.568	5860535.611	2832	648337.001	5860752.001
2668	648917.351	5860727.944	2723	648955.710	5860616.051	2778	649006.274	5860535.050	2833	648304.000	5860783.995
2669	648918.014	5860723.543	2724	648958.097	5860614.605	2779	649010.467	5860534.090	2834	648294.725	5860797.569
2670	648918.677	5860719.143	2725	648960.484	5860613.160	2780	649020.106	5860533.210	2835	648263.001	5860843.998
2671	648919.599	5860715.944	2726	648961.936	5860611.818	2781	649021.023	5860530.485	2836	648241.997	5860855.999
2672	648918.293	5860711.006	2727	648963.965	5860609.937	2782	649021.816	5860528.127	2837	648229.997	5860867.999
2673	648917.368	5860707.270	2728	648966.490	5860608.952	2783	649026.171	5860515.183	2838	648205.997	5860924.995
2674	648916.901	5860706.072	2729	648967.041	5860607.300	2784	649031.450	5860499.497	2839	648115.999	5861039.001
2675	648915.927	5860703.662	2730	648967.591	5860605.647	2785	649036.471	5860484.576	2840	648071.001	5861077.999
2676	648914.484	5860701.891	2731	648966.744	5860604.253	2786	649039.045	5860476.926	2841	648071.817	5861087.293
2677	648913.254	5860700.176	2732	648963.861	5860600.262	2787	648990.646	5860416.684	2842	648076.003	5861135.004
2678	648912.809	5860699.017	2733	648963.243	5860599.239	2788	649004.998	5860406.997	2843	648059.000	5861191.001
2679	648911.741	5860696.462	2734	648963.059	5860598.678	2789	649014.003	5860382.995	2844	648040.003	5861206.995
2680	648911.180	5860695.424	2735	648961.747	5860594.089	2790	649005.002	5860321.000	2845	648020.003	5861192.000
2681	648911.130	5860694.839	2736	648960.913	5860591.165	2791	649012.999	5860283.998	2846	648002.003	5861186.005
2682	648909.666	5860691.540	2737	648961.140	5860589.883	2792	648992.003	5860231.998	2847	647982.000	5861190.001
2683	648909.164	5860690.794	2738	648961.041	5860589.015	2793	648992.003	5860211.003	2848	647963.351	5861203.211
2684	648908.578	5860688.583	2739	648960.428	5860586.527	2794	649003.584	5860165.353	2849	647958.003	5861207.000
2685	648908.200	5860686.780	2740	648959.905	5860584.579	2795	649009.002	5860143.998	2850	647960.002	5861222.000
2686	648908.247	5860686.257	2741	648959.383	5860582.631	2796	649007.000	5860140.998	2851	647984.002	5861260.996
2687	648909.635	5860683.544	2742	648959.323	5860581.335	2797	648968.003	5860156.995	2852	647984.410	5861262.704

#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing	#	Eastings	Northing
2853	647879.875	5861259.738	2908	645604.970	5862019.019	2963	645546.605	5862966.525	3018	645478.903	5863502.739
2854	646677.250	5861222.358	2909	645602.808	5862025.822	2964	645551.193	5862971.190	3019	645470.535	5863508.884
2855	646471.445	5861215.961	2910	645600.324	5862032.515	2965	645555.574	5862976.051	3020	645461.762	5863514.435
2856	646168.923	5861206.558	2911	645596.306	5862041.695	2966	645559.738	5862981.099	3021	645338.764	5863586.431
2857	645839.146	5861196.308	2912	645588.184	5862058.683	2967	645564.288	5862987.174	3022	645334.051	5863589.077
2858	645836.299	5861208.266	2913	645586.940	5862111.530	2968	645568.524	5862993.472	3023	645328.222	5863592.050
2859	645837.951	5861299.277	2914	645586.914	5862112.515	2969	645575.523	5863004.470	3024	645322.269	5863594.767
2860	645837.908	5861306.519	2915	645586.647	5862118.010	2970	645578.389	5863009.160	3025	645316.203	5863597.221
2861	645837.577	5861312.925	2916	645586.180	5862123.492	2971	645580.378	5863012.699	3026	645310.036	5863599.408
2862	645836.974	5861319.311	2917	645585.511	5862128.953	2972	645581.102	5863013.919	3027	645308.104	5863600.032
2863	645836.097	5861325.665	2918	645584.643	5862134.385	2973	645583.857	5863018.259	3028	645197.105	5863635.032
2864	645834.950	5861331.976	2919	645579.639	5862162.387	2974	645587.082	5863023.952	3029	645190.585	5863636.927
2865	645824.954	5861380.978	2920	645578.849	5862166.480	2975	645590.055	5863029.781	3030	645183.986	5863638.525
2866	645824.850	5861381.483	2921	645576.813	5862175.024	2976	645592.771	5863035.735	3031	645128.982	5863650.531
2867	645823.206	5861388.542	2922	645574.281	5862183.434	2977	645595.225	5863041.801	3032	645118.595	5863652.418
2868	645821.223	5861395.512	2923	645548.280	5862261.432	2978	645597.412	5863047.968	3033	645112.100	5863653.219
2869	645801.816	5861457.957	2924	645545.325	5862269.514	2979	645599.267	5863054.287	3034	645105.577	5863653.735
2870	645791.505	5861530.972	2925	645542.771	5862275.539	2980	645599.460	5863054.941	3035	645099.038	5863653.967
2871	645789.849	5861540.482	2926	645539.957	5862281.446	2981	645600.070	5863057.044	3036	645092.494	5863653.913
2872	645788.400	5861546.778	2927	645536.888	5862287.225	2982	645622.078	5863127.029	3037	645086.617	5863653.621
2873	645786.681	5861553.005	2928	645533.569	5862292.865	2983	645623.207	5863130.792	3038	645010.716	5863648.355
2874	645784.696	5861559.152	2929	645531.473	5862296.159	2984	645635.209	5863172.798	3039	645004.607	5863649.824
2875	645782.448	5861565.209	2930	645482.733	5862370.598	2985	645637.643	5863182.538	3040	644995.598	5863651.417
2876	645763.385	5861613.360	2931	645433.740	5862478.070	2986	645639.419	5863192.418	3041	644989.104	5863652.218
2877	645760.769	5861619.539	2932	645378.293	5862814.323	2987	645639.764	5863194.939	3042	644982.581	5863652.735
2878	645757.954	5861625.446	2933	645384.134	5862869.095	2988	645644.762	5863233.940	3043	644976.041	5863652.967
2879	645754.885	5861631.225	2934	645384.870	5862879.287	2989	645645.397	5863239.814	3044	644969.498	5863652.913
2880	645751.566	5861636.865	2935	645384.911	5862889.506	2990	645645.801	5863245.708	3045	644962.963	5863652.574
2881	645747.156	5861643.588	2936	645384.224	5862900.027	2991	645645.972	5863251.613	3046	644956.450	5863651.950
2882	645742.392	5861650.065	2937	645382.800	5862910.475	2992	645645.910	5863257.520	3047	644949.969	5863651.043
2883	645706.291	5861696.514	2938	645379.941	5862927.059	2993	645645.571	5863264.055	3048	644943.535	5863649.854
2884	645665.053	5861793.609	2939	645381.227	5862926.665	2994	645644.946	5863270.568	3049	644937.158	5863648.386
2885	645662.619	5861799.040	2940	645387.561	5862925.024	2995	645644.038	5863277.049	3050	644930.851	5863646.640
2886	645659.972	5861804.369	2941	645393.961	5862923.660	2996	645642.849	5863283.483	3051	644924.627	5863644.621
2887	645635.975	5861850.367	2942	645400.415	5862922.577	2997	645642.763	5863283.893	3052	644918.497	5863642.333
2888	645630.573	5861859.862	2943	645406.909	5862921.777	2998	645634.766	5863321.890	3053	644912.925	5863639.982
2889	645627.076	5861865.257	2944	645413.432	5862921.261	2999	645633.305	5863328.161	3054	644907.453	5863637.409
2890	645623.352	5861870.496	2945	645419.972	5862921.030	3000	645631.576	5863334.364	3055	644902.088	5863634.617
2891	645614.060	5861882.990	2946	645426.515	5862921.084	3001	645629.582	5863340.486	3056	644896.841	5863631.611
2892	645609.738	5861903.689	2947	645435.432	5862921.618	3002	645627.328	5863346.517	3057	644876.840	5863619.612
2893	645611.273	5861908.646	2948	645444.301	5862922.683	3003	645624.774	5863352.542	3058	644875.145	5863618.580
2894	645612.891	5861914.258	2949	645464.297	5862925.689	3004	645621.959	5863358.449	3059	644869.655	5863615.019
2895	645614.290	5861919.929	2950	645472.476	5862927.152	3005	645618.890	5863364.228	3060	644864.326	5863611.222
2896	645615.467	5861925.650	2951	645478.852	5862928.621	3006	645615.571	5863369.868	3061	644859.167	5863607.196
2897	645616.420	5861931.413	2952	645485.158	5862930.367	3007	645612.009	5863375.357	3062	644854.189	5863602.949
2898	645617.220	5861937.907	2953	645491.383	5862932.386	3008	645608.212	5863380.686	3063	644849.401	5863598.489
2899	645617.736	5861944.431	2954	645497.513	5862934.675	3009	645604.185	5863385.844	3064	644844.812	5863593.824
2900	645617.968	5861950.970	2955	645503.537	5862937.229	3010	645599.938	5863390.822	3065	644840.431	5863588.964
2901	645617.913	5861957.513	2956	645509.445	5862940.044	3011	645596.578	5863394.467	3066	644836.266	5863583.917
2902	645617.574	5861964.048	2957	645515.223	5862943.113	3012	645576.572	5863415.460	3067	644832.330	5863578.700
2903	645616.950	5861970.562	2958	645520.863	5862946.432	3013	645569.746	5863422.180	3068	644828.626	5863573.316
2904	645616.042	5861977.042	2959	645526.352	5862949.993	3014	645562.504	5863428.451	3069	644825.159	5863567.777
2905	645614.852	5861983.477	2960	645531.681	5862953.791	3015	645516.534	5863465.757	3070	644822.463	5863563.020
2906	645613.528	5861989.276	2961	645536.840	5862957.817	3016	645493.825	5863489.245	3071	644352.238	5863612.746
2907	645611.975	5861995.018	2962	645541.817	5862962.065	3017	645486.591	5863496.243	3072	644103.997	5863638.997

cc: Mr. Neil Codner
Environment and Climate Change Canada
6 Bruce Street
Mount Pearl, NL
A1N 4T3

Mr. Ken Russell
Service NL
13 Churchill Street
Happy Valley Goose Bay, NL
P. O. Box 3014 - Stn. B
A0P 1E0

Mr. Alex Smith, P. Eng. – Director
Mineral Development Division
Department of Natural Resources
P.O. Box 8700
St. John's, NL
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Charlie Perry - Manager
Town of Wabush, NL
P.O. Box 19015
Whiteway Drive
A0R 1B0

December 16, 2020

Michael Twite
Environment & Government Affairs Manager
Tacora Resources, Inc.
102 NE Third Street, Suite 120
Grand Rapids, MN 55744

Dear Mr. Twite:

RE: Amendment to Certificate of Approval AA18-015646 (Issued January 22, 2018)

Further to the December 15, 2020 request to change the reporting of daily volume of diesel fuel consumption to monthly, the third bullet of Condition 42 of Tacora's operating approval has been adjusted and the Condition now reads as follows:

42. *Tacora shall maintain and submit to the Director on a monthly basis the following:*
- *Per shipment of Bunker C: supplier, date of shipment, volume, and certificate of analysis. EDMS location code 00719;*
 - *Monthly Bunker C combustion volume. EDMS location code 00719;*
 - *Monthly Diesel combustion from the mine. EDMS location code 00720;*
 - *Monthly Diesel combustion from all other non-mine sources collectively. EDMS location code 00719;*
 - *Monthly Used Oil combustion EDMS location code 00719; and*
 - *Per shipment of Used Oil: supplier, date of shipment, volume, and certificate of analysis. EDMS location code 00719;*

As necessary, best estimates may be used. These shall be submitted as per the Reporting section.

If you have any questions or comments regarding this matter, please contact Stephen Dyke at (709) 729-2738 or myself.

Sincerely,



Dexter Pittman, P.Eng.
Manager, Industrial Compliance