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THE NATURAL RESOURCES CONSERVATION AUTHORITY ACT
The Natural Resources Conservation (Permits and Licences)
Regulations, 1996

**Permit to Undertake Enterprise, Construction
or Development in a Prescribed Area**
[Pursuant to Section 9 (2)]

Permit No. 2018-06017-EP00196

Application Date: 14 May 2018

Issue Date:

The Permittee: Noranda Jamaica Bauxite Partners II

Of: Port Rhoades, Discovery Bay, St. Ann

Is hereby authorized to undertake:

Mining and Quarrying (terrestrial, riverine and marine) of bauxite, peat, sand, minerals including aggregates, construction and industrial material metallic and non-metallic ores

At: Part of Special Mining Lease (SML) 173 Area, St. Ann

In accordance with the terms and conditions specified in the Schedule.

**This Permit is granted subject to the Terms and Conditions set forth in the
Schedule below**

SCHEDULE

The Natural Resources Conservation Authority under its mandate to ensure the proper management, conservation and protection of the physical resources of this island has pursuant to Section 9 of the Natural Resources Conservation Authority Act and the Natural Resources Conservation (Permits and Licences) Regulations 1996 established a system of permits for prescribed activities as mandated by the Natural Resources (Prescribed Areas) (Prohibition of Categories of Enterprise, Construction and Development) Order, 1996). It is an implied condition of every permit that based on the information presented in the Project Information Form, the Application Form and where applicable the Environmental Impact Assessment and any addendum or adjustments made thereto, that the Authority is of the view that the activity subject to all the conditions stipulated in this Permit is not likely to be injurious to public health or the environment. Where new regulations are made or existing regulations are amended by the Minister under the Natural Resources Conservation Authority Act 1991 or other statute this permit shall be deemed, upon promulgation of such regulations or statute to automatically be amended to conform with such regulations or statute.

This Permit comprises all eleven (11) pages of this document, the Permit Application Form dated 8 May 2018 received and date stamped 14 May 2018 by the Authority; documents titled “Environmental Impact Assessment for proposed MINING OPERATIONS in the SPECIAL MINING LEASE 173 (SML 173) AREA located in the Parishes of St. Ann and Trelawny, Jamaica by Noranda Jamaica Bauxite Partners II (NJBPII) VOLUME I FINAL” dated 3 August 2021 received and date stamped 4 August 2021 by the Authority, “Environmental Impact Assessment for the Proposed Mining of Bauxite in the Special Mining Lease 173 (SML 173) Area in the parishes of St. Ann and Trelawny CORRIGENDA” dated 27 April 2021 received and date stamped 5 May 2021 by the Authority, “ARCHAEOLOGICAL IMPACT ASSESSMENT Proposed Bauxite Mining Operation Special Mining Lease (SML 173) Saint Ann/Trelawny Noranda Jamaica Bauxite Partners II” dated October 2019 received and date stamped 1 November 2020 by the Authority; and any other accompanying addenda.

THIS PERMIT IS VALID FOR A PERIOD OF FIVE (5) YEARS.

Description of Permitted Activity

This Permit is for the mining of bauxite and other related activities on 1,333 hectares of land (herein after referred to as “the Permitted Area”) which is bounded as outlined below (and illustrated in the accompanying Appendix).

Easterly: On the following properties or parts thereof:- From P1 (18.303996°N; 77.442044°W) in the West Bottom District, traversing in a generally northerly direction along the centre line of a minor road for 0.71 km to P2 (18.309346°N; 77.442942°W) in Brompton District; then from this said point in a generally northeasterly direction along the centre line of a minor road for 0.61 km to the intersection with the Gibraltar – Madras Main Road at P3 (18.312711°N; 77.439400°W); then from this point generally north along the centre line of the Gibraltar – Madras Main Road for 3.46 km to the intersection of the Plantain District Road with the Gibraltar – Madras Main Road at P4 (18.339246°N; 77.432775°W); then south westerly along the centre line of the Plantain District Road for 0.21 km; then northerly along the centre line of this said road for 1.07 km to open boundary at P5 (18.346013°N; 77.435093°W) in Plantain District.

Northerly: On the following properties or parts thereof:- From P5 (18.346013°N; 77.435093°W) along open boundary for 2.13 km with a bearing of 293.9° to the intersection with the Trelawny/St. Ann Parish Boundary at P6 (18.353782°N; 77.453509°W).

Westerly: On the following properties or parts thereof:- From P6 (18.353782°N; 77.453509°W) southerly for 6.09 km along the Trelawny/St. Ann Parish Boundary to open boundary at P7 (18.300336°N; 77.466747°W).

Southerly: On the following properties or parts thereof:- From P7 (18.300336°N; 77.466747°W) along open boundary with a bearing of 76.2° for 0.64 km to P8 (18.301710°N; 77.460859°W); then from this point along open boundary with a bearing of 69.6° for 0.17 km to P9 (18.302237°N; 77.459364°W); then from this point along open boundary with a bearing of 76.2° for 0.60 km to P10 (18.303405°N; 77.453839°W); then from this point along open boundary with a bearing of 89.5° for 0.51 km to P11 (18.303430°N; 77.448988°W); then from this point along open boundary with a bearing of 85° for 0.74 km to the point of commencement at West Bottom District.

Definitions

“Permittee” means the holder of this Permit

“Authority” means the Natural Resources Conservation Authority established pursuant to

Section 3 of the Natural Resources Conservation Authority Act.

"Representation" means any information implied or expressed upon which the Authority has relied to grant this Permit and include all the information contained in the application form, the Environmental Impact Assessment where applicable and addenda and all supplementary documentation including but not limited to correspondence.

The Permittee hereby undertakes to comply with all the following terms and conditions:-

General Conditions

1. All works carried out pursuant to this Permit shall be performed under the professional supervision of trained personnel who are qualified and competent to carry out the functions and duties of the permitted activity and who are conversant with the accompanying safety requirements and the hazards to workers, the public and the environment.
2. The Permittee shall not assign, or transfer or dispense with this Permit or part with any benefit under it except with the prior written consent of the Authority.
3. Any reference to time in this Permit shall be computed as of the date of issue of this Permit.
4. The Authority reserves the right to review, alter, amend or introduce new conditions to this Permit at any time and may initiate administrative and/or legal action for any violation of any condition by the Permittee, its customers or guests, its agents, employees, servants, contractors or assignees.
5. The Authority may in its sole discretion revoke or suspend this permit if it is satisfied that a breach of any term or condition, implied or expressed, subject to which this Permit has been granted has been committed.
6. The Permit is granted subject to any existing legal rights of third parties.
7. This Permit does not dispense with the Permittee's obligations under any other law, nor does it authorize a contravention of any statute, regulations, the common law or breach of any agreement.
8. The Authority reserves the right to review this Permit periodically and may initiate administrative and/or judicial action for any violation of any condition by the Permittee, its customers or guests, its agents, employees, servants, contractors or assignees.
9. The Permittee shall, prior to the commencement of the permitted activity, post a sign in a prominent place at the location of the permitted activity using the same design and words as in the template attached.
10. The Permittee shall maintain and keep in good repair all equipment used in carrying on the process (or operation) as the case may be. Maintenance shall be carried out in accordance with the manufacturers' recommendations or in such better manner or at such greater frequency as operational experience may show to be appropriate.
11. There shall be safe and adequate access to all sampling and monitoring points.
12. The Permittee shall keep all records of the operation including any environmental monitoring results for a period of not less than five (5) years, computed from the date on which the records were made, and such records shall be available for inspection at any reasonable time by any member or officer of the Authority authorized to do so.
13. Any amendment to the records shall be made in such a way as to leave the original result legible. Only authorized persons may make amendments to records and every such amendment shall bear the signature of the said authorized person.
14. The failure of the Authority to enforce at any time or for any period any one or more of the terms or the conditions of this Permit shall not be a waiver of its right at any time subsequently to enforce all the terms and conditions of this Permit.
15. Any member of the Authority or any authorized officer of the said Authority may at any reasonable time, make such periodical inspections and investigations in respect of the activities that are herein

permitted for the purpose of ascertaining whether the terms and conditions of this Permit are being observed or not and the Permittee shall allow such authorized officer to do such inspections.

16. If there is any proposed change in the ownership of the Permittee notification of such change shall be given to the Authority at least two (2) weeks prior to such change.
17. If the permitted activity does not commence within five years (5) after the date of this Permit, then this Permit is void and the Permittee shall re-apply for a new Permit.
18. This Permit is valid for a period of five (5) years of the date of issue of this Permit.

Specific Conditions

DOCUMENTATION

1. The Permittee shall comply with all representations made in the Permit Application Form dated 8 May 2018 received and date stamped 14 May 2018 by the Authority; documents titled “Environmental Impact Assessment for proposed MINING OPERATIONS in the SPECIAL MINING LEASE 173 (SML 173) AREA located in the Parishes of St. Ann and Trelawny, Jamaica by Noranda Jamaica Bauxite Partners II (NJBPII) VOLUME I FINAL” dated 3 August 2021 received and date stamped 4 August 2021 by the Authority, “Environmental Impact Assessment for the Proposed Mining of Bauxite in the Special Mining Lease 173 (SML 173) Area in the parishes of St. Ann and Trelawny CORRIGENDA” dated 27 April 2021 received and date stamped 5 May 2021 by the Authority, “ARCHAEOLOGICAL IMPACT ASSESSMENT Proposed Bauxite Mining Operation Special Mining Lease (SML 173) Saint Ann/Trelawny Noranda Jamaica Bauxite Partners II” dated October 2019 received and date stamped 1 November 2020 by the Authority; and any other accompanying addenda.
2. The Permittee shall ensure that all correspondence, notifications, plans, reports or any other documents being submitted to the Agency pursuant to any General and/or Specific Condition of the Permit are addressed to the “Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm.”

DEED OF INDEMNITY

3. The Permittee shall execute a Deed of Indemnity, indemnifying the Authority and the Government of Jamaica against all actions, proceedings, claims, losses, damages, injuries, demands, costs and expenses, which may become payable by the Authority or the Government of Jamaica as a result of any works carried out in pursuance of this Permit.

SPECIAL MONITORING AND STAKEHOLDER ENGAGEMENT

4. The Permittee shall, within one (1) month of the date of issue of this Permit, submit to the Agency (to the attention of the Chief Executive Officer) an Environmental Performance Bond of **SEVEN HUNDRED AND SEVENTY-SEVEN THOUSAND NINE HUNDRED AND FORTY ONE UNITED STATES DOLLARS AND NINETY-NINE CENTS (US\$777,941.99)** secured by bank guarantee to be held by the Authority against the proper conduct of the Permitted Activity in accordance with this and related Environmental Permit(s) (Ref #s 2018-06017-EP00196 & 2018-06017-EP00197). The bond may be applied by the Authority to, amongst other things, remedy any breaches of the said Permit(s), mitigate any environmental damage, or restore natural resources impacted by the Permitted Activities.
5. In the event that the Environmental Performance Bond is depleted due to draw-down by the Authority the Permittee shall instruct its bankers to replenish the bond to the original value which shall remain at the calculated sums at all times.
6. The Permittee shall ensure that the Performance Bond is renewed annually and a current bond is submitted to the Agency (to the attention of the Chief Executive Officer) within fourteen (14) days of the expired bond. Failure to comply will be deemed a material breach of this Environmental Permit.
7. The Permittee shall, within three (3) months of the date of issue of this Permit, pay an administrative monitoring fee of **NINE MILLION FORTY EIGHT THOUSAND TWO HUNDRED AND FORTY-FIVE JAMAICAN DOLLARS AND ELEVEN CENTS (J\$9,048,245.11)** to the National Environment and Planning Agency to facilitate special monitoring during the lifetime of the development.
8. The Permittee shall maintain a Complaints Register at a location which is accessible to the public. The Complaints Register shall contain a log of all written and verbal complaints that specifically refer to concerns associated with the permitted activities (inclusive of, but not limited to mining of bauxite,

the clearance of vegetation and the creation of haul roads). The log must include a record of the Permittee's actions to investigate the validity of each complaint and a record of actions taken to address each complaint. This register shall include, but not limited to:

- a. The date and exact time that complaint was received
- b. The name, location and contact information of the complainant
- c. Details of the complaint(s)
- d. Status of actions taken to address the complaint(s)

The Complaints Register shall be retained by the Permittee and made available for inspection by representatives of the National Environment and Planning Agency and/or duly authorized officer(s).

9. The Permittee shall establish a Grievance Framework for the Permitted Activity and submit a copy of the Framework for approval to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm within one hundred and eighty (180) days of the date of issue of this Permit and in any event at least fourteen (14) working days prior to the commencement of operation.
10. Pursuant to Specific Condition 9, the Grievance Framework shall be publicized and circulated to all Citizens' Associations within the Permitted Area. An outline of said framework shall also be kept at each mining area.
11. The Permittee shall conduct sensitization programmes for the communities in proximity to the mining (or associated operations), prior to the commencement of same. Verification of this sensitization (which may include, but is not limited to, attendance registers, copies of presentation, copies of flyers/articles, minutes of meetings or any other appropriate form of verification) shall be retained by the Permittee and made available for inspection by representatives of the National Environment and Planning Agency.
12. The Permittee shall, upon commencement of operations, conduct routine meetings with the relevant surrounding communities. These meetings shall be held on a quarterly basis, at a minimum, and the Permittee shall maintain records of meetings held. This shall include, but is not limited to, the following:
 - Time and date of meeting
 - Attendance register
 - Minutes
 - Details of complaints (if any) from residents and any efforts to resolve them
 - Copies of presentations made (if applicable)

Copies of these records shall be retained by the Permittee and made available for inspection by representatives of the National Environment and Planning Agency and/or duly authorized officer(s).

DEMARCATON OF AREA/SIGNAGE

13. The Permittee shall at all times ensure that any mining or related activities (including but not limited to vegetation clearance and haul road construction) remains within the confines of the Permitted Area.
14. Pursuant to Specific Condition 13 the Permittee shall, in cases where ore bodies to be mined are within 100 m of the stipulated boundary of the Permitted Area or any Forest Reserve, place physical markers (such as sign posts or other suitable markers) at the boundary of the Permitted Area or Forest Reserve to notify workers/contractors and the general public of its presence.
15. Pursuant to Specific Condition 14, the Permittee shall submit the details of the proposed markers (inclusive of, but not limited to, the proposed wording and GPS coordinates) to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm at least twenty (20) working days prior to the mining of the ore body.
16. The Permittee shall install a sign displaying the intention of the operators to mine at each location at least twenty (20) working days prior to the commencement of mining activities. This sign shall, in addition to the intention, also include, but not be limited to:
 - Contact information (at a minimum, postal address, telephone number and email address) for relevant person(s) at Noranda Jamaica Bauxite Partners II in charge of receiving complaints; and
 - Contact information for the NEPA Enforcement Branch (Address: 10 Caledonia Avenue, Kingston 5, Telephone: 876-754-7540 or Toll Free: 1-888-991-5005, email: EnforcementManager@nepa.gov.jm).
17. Pursuant to Specific Conditions 14 - 16, all signage shall have a minimum dimension of 1.5 m wide, 1.0 m high with title lettering 100 mm high and secondary lettering 50 mm high. Any deviation from this standard shall require the prior written approval of the Agency/Authority.
18. The Permittee shall ensure a setback of 200 m is maintained inward from the southern boundary of the Permitted Area (namely Points P1, P11, P10, P9, P8 and P7 as described in the Description of Permitted Activity and Map attached [see Appendix]).

NOTIFICATION

19. The Permittee shall notify the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm as well as the Mines and Geology Division (MGD), Jamaica Bauxite Institute (JBI), Water Resources Authority (WRA), Jamaica National Heritage Trust (JNHT) and Forestry Department (FD) in writing of the following proposed dates:
- a) Commencement of site preparation (inclusive of vegetation clearance);
 - b) Commencement of the mining operations;
 - c) Commencement of construction of haul roads; and
 - d) Commencement of construction of any drainage infrastructure.
- at least two (2) weeks prior the commencement of same in each phase/new area (including but not limited to ore bodies and haul roads). This notification shall include, but not be limited to:
- the GPS coordinates of the areas;
 - the proposed date(s) for each activity;
 - estimated duration of each activity; and
 - details of any receptors (including, but not limited to, residences, institutional uses, sinkholes).

COMPLIANCE WITH ASSESSMENTS

20. The Permittee shall, unless otherwise permitted by the Authority in writing, implement all mitigation measures as proposed in Section 8.0 of the document titled **“Environmental Impact Assessment for proposed MINING OPERATIONS in the SPECIAL MINING LEASE 173 (SML 173) AREA located in the Parishes of St. Ann and Trelawny, Jamaica by Noranda Jamaica Bauxite Partners II (NJBPII) VOLUME I FINAL”** dated 3 August 2021 received and date stamped 4 August 2021 by the Authority.
21. The Permittee shall, unless otherwise permitted by the Authority and/or Jamaica National Heritage Trust (JNHT) in writing, implement the recommendations proposed in document titled **“ARCHAEOLOGICAL IMPACT ASSESSMENT Proposed Bauxite Mining Operation Special Mining Lease (SML 173) Saint Ann/Trelawny Noranda Jamaica Bauxite Partners II”** dated October 2019 received and date stamped 1 November 2020 by the Authority. Any permission to vary from the recommendations made in said document shall be submitted to the Agency within one (1) week of the date of same.

PROTECTION OF WATER RESOURCES/WATER SUPPLY

22. The Permittee shall not cause or permit the discharge of any chemical or hazardous substances to any existing dry gully or any waterways/features which are located on the project site or within close proximity to the project site as a consequence of the mining, or other related activities.
23. The Permittee shall ensure that all vegetation located within and along the boundaries of waterways or any other surface water feature (including but not limited to any stream, springs, gullies, caves and sinkholes) within the project site are identified, marked and remain undisturbed. A setback/buffer of at least 30 m shall be maintained from any such features.
24. The Permittee shall ensure that where there are areas of exposed soil, measures are employed to prevent/reduce the impact of soil erosion and runoff. These may include, but are not limited to, the use of berms.
25. The Permittee shall ensure that there is no alteration to any surface water features without the requisite approval of the relevant Agencies.
26. The Permittee shall ensure that, where individual/public water supplies (such as tanks and catchments) may be affected by the operations, measures are implemented to protect same and if disturbed or damaged be responsible for replacing the (sources or facilities). In instances of damage or disturbance the Permittee shall truck potable water to the affected areas in order to ensure water supply is maintained until normal water supply is restored.
27. The Permittee shall develop and implement a Water Quality Monitoring Programme, for the approval of the Water Resources Authority. A copy of the approved plan shall be submitted to the Manager of the Enforcement and Pollution Monitoring and Assessment Branches of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 (emails: EnforcementManager@nepa.gov.jm and PollutionMonitoringManager@nepa.gov.jm) within two (2) weeks of the date of approval of same.

AIR QUALITY AND FUGITIVE DUST CONTROL

28. The Permittee shall comply with the Natural Resources Conservation Authority (Air Quality) Regulations, 2006 and shall include information for the areas to be mined within the Permitted Area as part of Air Pollution Discharge Licence bearing reference number 2008-06017-AQ00002.
29. The Permittee shall conduct an air emissions inventory and shall submit the findings to the Managers of the Enforcement and Air Quality Management Branches of the National Environment and

Planning Agency, 10 & 11 Caledonia Avenue, Kingston 5 (emails: EnforcementManager@nepa.gov.jm and AirQualityManager@nepa.gov.jm) within thirty (30) days of the commencement of mining activities.

30. The Permittee shall implement mitigative measures to prevent the generation of fugitive dust in the event that the Permittee operates close to any residential areas and/or on public thoroughfare.
31. The Permittee shall develop and submit an Air Quality Management Plan for approval. This plan shall be submitted to the Managers of the Enforcement and Air Quality Management Branches of the National Environment and Planning Agency, 10 & 11 Caledonia Avenue, Kingston 5 (emails: EnforcementManager@nepa.gov.jm and AirQualityManager@nepa.gov.jm) at least thirty (30) days prior to the commencement of mining activities and shall include, but not be limited to:
 - Fugitive Emissions Control Plan (inclusive of, but not limited to, fugitive emissions from haul roads and stockpiles of soil);
 - Proposed parameters and frequency of monitoring (inclusive of, but not limited to, routine monitoring for the PM₁₀ at a minimum of every six (6) days, with results reported monthly);
 - GPS location of proposed monitoring points;
 - Proposed entity(ies) to conduct monitoring exercises; and
 - Proposed format of reporting.
32. There shall be no long term storage of bauxite or any other materials within the Permitted area.

ARCHAEOLOGICAL AND ARTIFACTS PROTECTION

33. The Permittee shall ensure that the JNHT is consulted and the requisite approvals obtained prior to any activities which may involve the excavation of an archaeological or historical site/artifact during the operations.
34. Pursuant to Specific Condition 33 the Permittee shall submit a copy of any approvals granted by the JNHT to the Manager, Enforcement Branch at the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 (email: EnforcementManager@nepa.gov.jm) prior to the commencement of any activity relating to the excavation of an archaeological or historical site. This approval(s) shall be submitted within two (2) weeks of the date of issue of same.
35. The Permittee shall ensure that the use of explosives is prohibited in the vicinity of sensitive archaeological assets designated Protected National Heritage or in the process of being designated Protected National Heritage.

DRAINAGE

36. The Permittee shall not negatively impede the natural drainage.
37. The Permittee shall ensure that all surface drainage and storm water runoff generated from the mining and other related activities (inclusive of haul roads) is effectively intercepted and disposed of within the curtilage of the operational footprint.
38. The Permittee shall ensure that any depressions created as a consequence of the bauxite mining operation are adequately backfilled to prevent any ponding of storm water.
39. The Permittee shall implement erosion and sediment control measures, as required, to prevent the movement of sediment and other material off site during construction, mining, and rehabilitation.
40. The Permittee shall ensure that any storm water detention ponds/areas are properly fenced, maintained and kept free of debris and solid waste.
41. The Permittee shall ensure that a comprehensive storm water drainage plan is developed and submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email at EnforcementManager@nepa.gov.jm, prior to the commencement of any construction of haul roads, drainage features, or any other similar infrastructure.
42. The Permittee shall develop and submit a Maintenance Plan for the drainage system and soil erosion mitigation structures/measures (where applicable) to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm within three (3) months of the date of issue of this Permit.

CONDITIONS OF OPERATION & SAFETY AND MAINTENANCE

43. The Permittee shall, unless otherwise permitted by the Authority/MGD in writing, comply with the conditions outlined in Special Mining Lease (SML) 173 granted by the MGD, and any subsequent renewals/amendments. A copy of any renewal/amendment to the aforementioned shall be submitted to the Agency within two (2) weeks of the date of issue of same.
44. The Permittee shall ensure that all mining, and related operations, within the Permitted Area are done in accordance with the Mining Plan approved by the MGD. This Mining Plan shall be for a period not exceeding five (5) years from the date of issue of this Permit and shall not exceed the geographic boundaries of the Permitted Area.

45. Pursuant to Specific Condition 44 the Permittee shall submit a copy of said approved plan to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm within two (2) weeks of the approval of same. Any variation to the approved Mining Plan shall require the prior written approval of the MGD, and copies of said revised approval shall be submitted to Agency within two (2) weeks of the date of issue of same.
46. The Permittee shall ensure that the appropriate measures are implemented to prevent unauthorized persons from accessing the active mining areas.
47. The Permittee shall maintain a minimum setback of 91.44 m (300 ft) of the mining activities from any building, save and except where prior permission is granted by the occupant(s) and/or the Commissioner of Mines. A copy of any such permission shall be submitted to the Manager, Enforcement Branch of the National Environment & Planning Agency, 10 Caledonia Avenue, Kingston 5 within one (1) week of the date of same.
48. The Permittee shall ensure that the noise level during operation does not exceed 75 dB when operating within 91.44 m (300 ft) of any building or occupied premises, save and except with the permission of the Authority and the occupants of the building or occupied premises.
49. The Permittee may conduct operations 24 hours daily save and except where operations are within 91.44m (300 ft) of any community and/or occupied buildings. Should operations be located in any such area, work shall be carried out between the hours of 7:00 a.m. and 6:00 p.m. from Mondays to Fridays and 8:00 a.m. and 6:00 p.m. on Saturdays and there shall be no work on Sundays and public holidays. For any works to be done outside of this period, written permission shall be sought and obtained from the Authority.
50. The Permittee and/or its agents is prohibited from undertaking blasting activities or use of explosives on site save and except with the expressed written approval of the MGD. A copy of the approval shall be submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm prior to the conduct of any blasting/use of explosives.
51. The Permittee shall ensure that, in instances where haul roads intersect any parochial and public roads, the necessary approvals are obtained from the St. Ann Municipal Corporation and National Works Agency prior to the construction/improvement of any haulage roads. A copy of any approvals shall be submitted to the Manager of the Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 (email: EnforcementManager@nepa.gov.jm).
52. The Permittee shall ensure that deep slope cuts in excess of 6m are benched to enhance slope stability. Bench design shall be guided by the geotechnical properties of the rock material (e.g. the degree of weathering, rock strength and extent of fracturing).
53. The Permittee shall develop an Emergency Response Plan (inclusive of a Spill Management Plan) for the Permitted Activity with the approval of the Office of Disaster Preparedness and Emergency Management (ODPEM) and Fire Department. A copy of the approved Emergency Response Plan shall be submitted to the Managers of the Enforcement Branch and the Pollution Prevention Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm and PollutionPreventionManager@nepa.gov.jm, within two (2) weeks of the date of approval of same.
54. The Permittee shall install safety signs where required at the mining area to warn of operational hazards.
55. The Permittee shall notify the Agency within 24 hours, undertake corrective measures immediately once a leak or spill is detected and submit a written report to the Managers of the Enforcement Branch and the Pollution Prevention Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm and PollutionPreventionManager@nepa.gov.jm, within one (1) week of the incident. The written report shall include but not be limited to:
 - a. Time, location, volume and cause of the spill
 - b. Details of the corrective actions taken
 - c. Details of any remediation activities undertaken
 - d. Details of any further remediation activities required and timelines for the activities
 - e. Details of preventative measures to be implemented to prevent similar future incidents
56. Pursuant to Specific Condition 55, where the time for the implementation of the repairs/corrective actions will exceed seven (7) days, a work plan shall accompany the pollution incident report.
57. Pursuant to Specific Conditions 55 and 56, the Permittee shall within one (1) week of completion of the remediation works, notify the Managers of the Enforcement Branch and the Pollution Prevention Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm and PollutionPreventionManager@nepa.gov.jm in writing.
58. Pursuant to Specific Condition 57, the Permittee shall ensure that the environment is remediated to the satisfaction of the Agency.

TRAFFIC MANAGEMENT

59. The Permittee shall ensure that there is NO trucking of bauxite on public roadways, save and except with the prior written approval of the Authority.
60. The Permittee shall ensure that caution signs warning oncoming traffic of trucks entering and leaving the site are placed at a safe distance as approved by the relevant authority.
61. The Permittee shall develop and implement a Traffic Management Plan, for the approval of the National Works Agency in instances where haul roads intersect any parochial and public roads. A copy of the approved plan shall be submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 (emails: EnforcementManager@nepa.gov.jm) within one (1) week of the date of approval of same.

SEWAGE TREATMENT AND DISPOSAL

62. The Permittee shall ensure that there is adequate provision of toilet facilities for the use of the construction work force. These facilities shall be in the form of portable units (chemical toilets).
63. Pursuant to Specific Condition 62, the Permittee shall ensure that the sewage from the portable chemical toilets is collected and treated at an existing approved sewage treatment facility.

SOLID WASTE DISPOSAL

64. The Permittee shall ensure that there is no burning of waste or any other debris.
65. The Permittee shall ensure that the solid waste generated from the works is disposed of at a municipal dumpsite of the National Solid Waste Management Authority (NSWMA). The official receipts from the NSWMA shall be retained by the Permittee and made available for inspection by representatives of the National Environment and Planning Agency.
66. The Permittee shall develop a Waste Management Plan which must be submitted to the Manager, Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 (email: EnforcementManager@nepa.gov.jm), within three (3) months of the date of issue of this Permit. The plan shall include but not be limited to:
 - The designation of appropriate waste storage areas, including for waste oil and other hazardous wastes.
 - Waste collection and removal schedules.
 - System for the supervision and monitoring of the various types of waste.

RESTORATION

67. The Permittee shall develop and submit a Restoration Plan for the approval of the Mines and Geology Division (MGD). A copy of the Plan approved by the Mines and Geology Division shall be submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm within two (2) weeks of the date of approval of same.
68. Pursuant to Specific Condition 67, the Permittee shall ensure that any restoration and rehabilitation is undertaken in accordance with the Restoration Plan approved by the MGD, and any subsequently approved amendments. A copy of any amendments to the approved plan shall be submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm within two (2) weeks of the approval of said amendment (and prior to execution of said amended aspect(s) of the plan).

MONITORING & ENVIRONMENTAL MANAGEMENT

69. The Permittee shall develop and submit an Environmental Monitoring Programme, for approval, to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm, with copies to the Forestry Department, Jamaica National Heritage Trust and Jamaica Bauxite Institute. This plan shall include, but is not limited to:
 - Proposed parameters and frequency of monitoring;
 - Proposed methodology for execution of respective monitoring activities;
 - GPS location of proposed monitoring points; and
 - Proposed format of reporting.

No works shall commence prior to the submission and approval of the Environmental Monitoring Programme.

70. Pursuant to Specific Condition 69, the Environmental Monitoring Programme shall be undertaken in accordance with the approval and the monitoring reports shall include, but not be limited to:
 - a) the date, time and exact place of sampling or measurements;
 - b) the name and competence of the person(s)/company responsible for performing the sampling or measurements;
 - c) the date(s) analyses were performed;

- d) the name of the person and/or company carrying out the analyses;
 - e) the analytical techniques or methods used;
 - f) the results of such analyses;
 - g) details of any environmental incidents, including spills or damage to any sensitive ecosystem and corrective actions taken;
 - h) summary of activities conducted (e.g. quantity of vegetation cleared, quantity of topsoil removed for storage, location of orebodies mined, length of haul roads constructed, status of relocation activities, etc.); and
 - i) summary of complaints and/or operational incidents (inclusive of, but not limited to, pollution incidents and malfunctions of monitoring equipment).
71. Pursuant to Specific Conditions 27 & 70, the Permittee shall ensure that for each year, monitoring reports are submitted to the Manager of the Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm, on a quarterly basis, no later than fifteen (15) days after the end of each quarter.

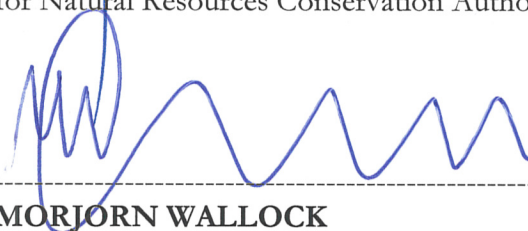
APPROVALS REQUIRED

72. The Permittee shall apply to and obtain approval from the Authority for an Environmental Permit and/or Licence for any subsequent development, in accordance with the Natural Resources Conservation Authority Act, Natural Resources Conservation (Wastewater and Sludge) Regulations, 2013; Natural Resources Conservation (Permits and Licences) (Amendment) Regulations, 2015 and Natural Resources (Prescribed Areas) (Prohibition of Categories of Enterprise, Construction and Development) (Amendment) Order, 2015, prior to the commencement of said development.
73. The granting of this Permit does not set aside the Permittee's legal responsibilities pursuant to statute and/or contract. These include but are not limited to building permission under the Building Act, planning permission under the Town and Country Planning Act, modification/dischARGE of restrictive covenant(s), licence from the Mines and Geology Division and any other applicable Environmental Permits and Environmental Licences under the Natural Resources Conservation Authority Act and Beach Licences under the Beach Control Act.
74. Any variation or modification to the approved development shall require the prior written approval of the Authority.
75. Pursuant to the conditions of this Permit, the Permittee shall comply with all submitted plans and other such documentation which have been approved by the Agency/Authority, and any subsequent approved amendments. Any change to the approved plan(s) shall require the prior written approval of the Agency/Authority.

Dated this 7th day of February, 2022

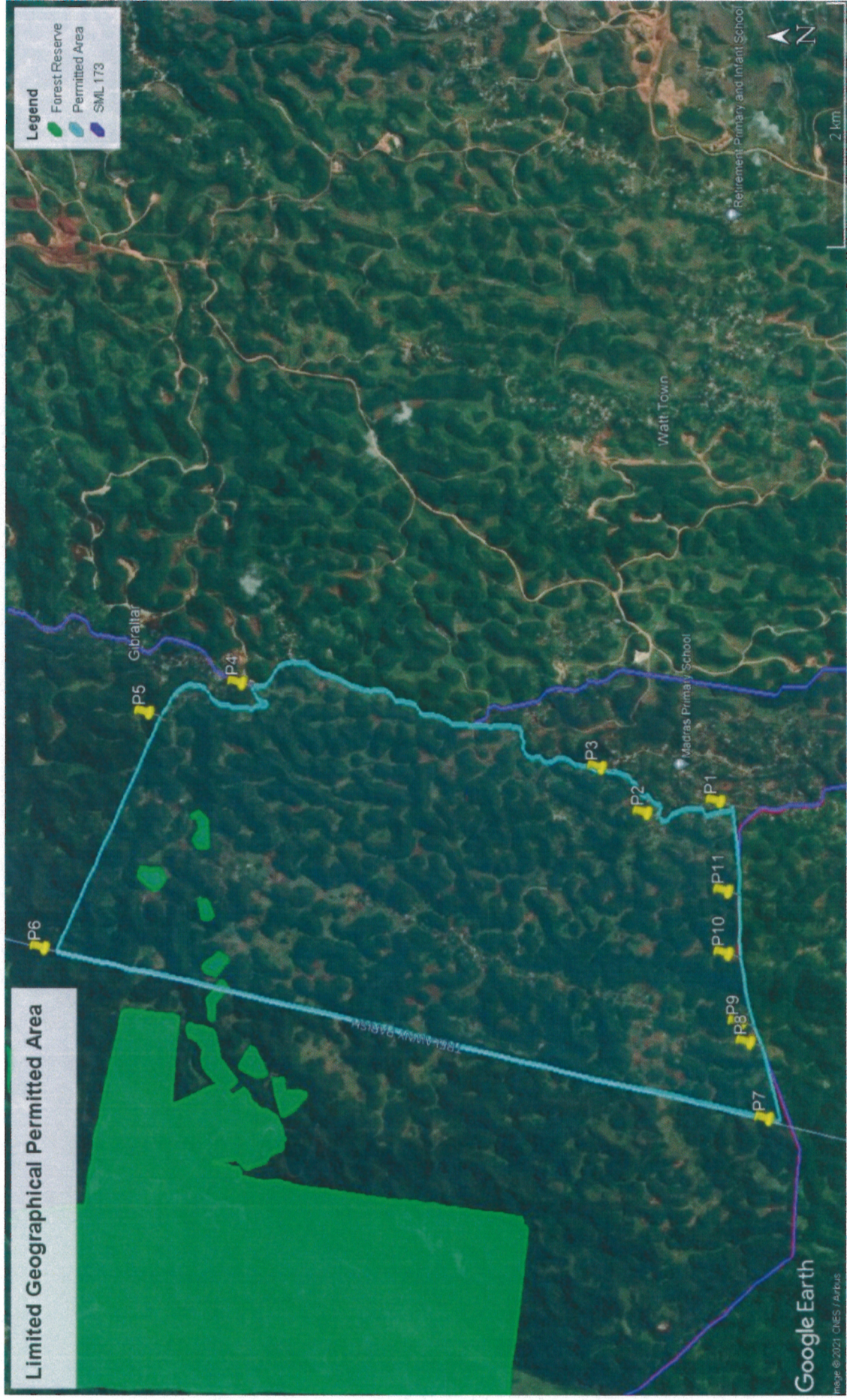


PETER KNIGHT, CD, JP
for Natural Resources Conservation Authority



MORJORN WALLOCK
Secretary
Natural Resources Conservation Authority

APPENDIX



Map 1. Satellite Image (Courtesy of GOOGLE Earth) overlaid with the boundaries (aqua blue colour) of the Permitted Area in SML 173 released for bauxite mining.