## *MATRIX FOR ASSESSING THE ENVIRONMENTAL IMPACTS OF THE REPAIR, MAINTENANCE AND DEMOLITION OF ORIGINAL FACILITIES*

| ASSETS | Action | Environmental Component Exposed | Environmental aspect | Environmental impact | Impact Type | Extension | Intensity | Duration | Probability | Legal aspects | Unmitigated significance | original risk | Mitigation measures | Extension | Intensity | Duration | Probability | Legal aspects | significance with mitigation | mitigated risk | impact degree |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maintenance and repairs: Arrival of cargo and personnel | Arrival of people and cargo at the Base | Flora and fauna | Transport of Non-Native Species | Invasion of Species | Indirect | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M1: The measures established in the Manual for the Prevention of Non-Native Species must be applied. | 2 | 3 | 2 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | Elimination of packaging of transported cargo | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Operation of vehicles and movement of people on the coast | Soil | Interaction of personnel and vehicles with the substrate | Substrate disturbance | Straight | 2 | 3 | 3 | 4 | 4 | 288 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | pollution of the atmosphere | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 3 | 2 | 2 | 2 | 72 | Low | Less than temporary minimum |
| | Anchorage of the ship for unloading tasks | Water | Vessel activities near the coast | Alteration of coastal flora and fauna | Straight | 2 | 2 | 2 | 4 | 4 | 128 | Medium | M5: to minimize the impact of the vessels, (a) the provisions of Annex IV and the Polar Code regarding discharges will be complied with, (b) the operation time will be reduced to the shortest possible, (c) the discharge will be carried out mainly to a summer campaign and (d) a main site and an alternative site for downloading will be established. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Use of boats or amphibians to unload materials and personnel | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Unloading tasks from ships | Marine coast | Incidents and/or spills on the coast during unloading | Environmental pollution | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M5: to minimize the impact of the vessels, (a) the provisions of Annex IV and the Polar Code regarding discharges will be complied with, (b) the operation time will be reduced to the shortest possible, (c) the discharge will be carried out mainly to a summer campaign and (d) a main site and an alternative site for downloading will be established. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| Maintenance and repairs: buildings | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use and consumption of water at the Base | Soil | effluent discharge | shoreline pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M7: (a) Said discharge is carried out, if possible, where there are conditions for its initial dilution and rapid dispersion; (b) Given that it is a station where the average weekly occupation during the southern summer will be greater than 30 people, an effluent treatment plant with three treatment stages will be installed. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Use of machinery and removal of structures | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 2 | 72 | Low | M8: (a) the provisions of the Waste Management Plan must be completed, (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | | Environment | dust dispersion | Atmospheric pollution | Straight | 3 | 2 | 2 | 3 | 2 | 72 | Low | M9: complete the provisions of the directive for work abroad of the Argentine Antarctic Program | 2 | 1 | 2 | 2 | 2 | 16 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Interaction of personnel and vehicles with the substrate | Substrate disturbance | Straight | 2 | 3 | 3 | 4 | 4 | 288 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 3 | 2 | 2 | 2 | 72 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Soil | Spill of dangerous substances | soil contamination | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Disarmament and removal of structures. | soil and snow | Run-off resulting from spills and historical contamination | Soil and snow pollution | Indirect | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 4 | 96 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |

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| **Maintenance and repairs: Removal and Installation of cisterns** | Use, storage and transfer of fuels and other dangerous substances | Soil | Spill of dangerous substances | soil contamination | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Use of machinery and removal of structures | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 3 | 3 | 4 | 216 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M5. Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 4 | 1 | 2 | 2 | 48 | Low | Less than temporary minimum |
| | Disarmament and removal of structures. | soil and snow | Run-off resulting from spills and historical contamination | Soil and snow pollution | Indirect | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| **Commissioning of Systems: Replacement Generators** | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Soil | Spill of dangerous substances | soil contamination | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Use of machinery and removal of structures | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 3 | 3 | 4 | 216 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M5. Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 4 | 1 | 2 | 2 | 48 | Low | Less than temporary minimum |
| **Commissioning of Systems: Power Line** | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 3 | 3 | 4 | 216 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M5. Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 4 | 1 | 2 | 2 | 48 | Low | Less than temporary minimum |
| **Commissioning of Systems: Water** | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Soil | Spill of dangerous substances | soil contamination | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |

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| System | Use of water sources | Water | Consumption of the water resource | drainage disturbance | Straight | 2 | 2 | 3 | 4 | 2 | 96 | Low | M11: (a) keep track of the water consumed and (b) establish a sustainable water consumption plan. | 2 | 1 | 3 | 4 | 2 | 48 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 3 | 3 | 4 | 216 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 3 | 2 | 2 | 2 | 72 | Low | Less than temporary minimum |
| Commissioning of Systems: Sewer Treatment System | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Soil | Spill of dangerous substances | soil contamination | Straight | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 2 | 72 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Use of water for base consumption | Water | Discharge of effluents to a body of water | Water contamination | Straight | 2 | 3 | 4 | 4 | 4 | 384 | High | M7: (a) Said discharge is carried out, if possible, where there are conditions for its initial dilution and rapid dispersion; (b) Given that it is a station where the average weekly occupation during the southern summer will be greater than 30 people, an effluent treatment plant with three treatment stages will be installed. | 2 | 2 | 4 | 4 | 2 | 128 | Medium | Equal to minimum or transient |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 4 | 3 | 4 | 288 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 4 | 2 | 2 | 64 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 3 | 4 | 3 | 2 | 216 | High | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 2 | 4 | 2 | 2 | 96 | Low | Less than temporary minimum |
| Commissioning of Systems: Cold Room Repair | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 2 | 72 | Low | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Circulation transporting materials | Substrate disturbance | Straight | 2 | 3 | 3 | 3 | 4 | 216 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 3 | 4 | 3 | 2 | 216 | High | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 2 | 4 | 2 | 2 | 96 | Low | Less than temporary minimum |
| Commissioning of Systems: Heating system | Maintenance work and staff accommodation | Soil | Waste generation | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M2: the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Use, storage and transfer of fuels and other dangerous substances | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environmental pollution | Straight | 2 | 3 | 2 | 3 | 2 | 72 | Low | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| Dismantling of Constructions: disarmament | Use of machinery and removal of structures | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |
| | Work in outdoor areas | Environment | Dispersal of anthropic elements | environment pollution | Straight | 2 | 3 | 2 | 3 | 4 | 144 | Medium | M8: (a) the provisions of the Waste Management Plan must be completed and (b) compliance with the guideline for repair work abroad of the Argentine Antarctic Program. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Clean-up of sites with old waste | Environment | Removal of old waste | environment pollution | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M12: (a) carry out the evaluation of the sites according to the Cleaning Manual of the CEP and (b) the provisions of the Waste Management Plan and the Instructions for waste preparation of the bases must be completed. | 1 | 2 | 2 | 3 | 2 | 24 | Low | Less than temporary minimum |
| | Vehicle operation and movement of people | Soil | Interaction of personnel and vehicles with the substrate | Substrate disturbance | Straight | 2 | 3 | 3 | 4 | 4 | 288 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |

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| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M5. Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 4 | 1 | 2 | 2 | 48 | Low | Less than temporary minimum |
| | Disarmament and removal of structures. | soil and snow | Run-off resulting from spills | Soil and snow pollution | Indirect | 2 | 2 | 3 | 3 | 4 | 144 | Medium | M10: (a) establish and take into account the contingency measures of the future Base Contingency Plan, (b) have the corresponding anti-spill material for the primary contingency of the spill, (c) conduct spill training for all personnel, (d) ensure the provision of anti-spill response equipment and (e) ensure compliance with the maintenance plan for vehicles, facilities and generators. | 2 | 2 | 3 | 3 | 2 | 72 | Low | Less than temporary minimum |
| **Dismantling of buildings: cargo transfer** | Vehicle operation and movement of people | Soil | Interaction of personnel and vehicles with the substrate | Substrate disturbance | Straight | 2 | 3 | 3 | 4 | 4 | 288 | High | M3: (a) The activity will be carried out on the area already impacted by the base, (b) circulation through areas with vegetation must be avoided, (c) respect what is established as measures of approach to fauna, (d) respect maximum values of speed and (e) not cross the streams. | 2 | 2 | 3 | 2 | 4 | 96 | Low | Less than temporary minimum |
| | | Air | GEI emission | Atmospheric pollution | Straight | 3 | 4 | 2 | 3 | 2 | 144 | Medium | M4: Supervise the state of vehicles and machinery to avoid incomplete combustion and thus minimize CO2 emissions into the atmosphere. | 3 | 3 | 2 | 2 | 2 | 72 | Low | Less than temporary minimum |
| | Anchorage of the ship for unloading tasks | Water | Vessel activities near the coast | Alteration of the coastal fauna | Straight | 2 | 2 | 2 | 4 | 4 | 128 | Medium | M5: to minimize the impact of the vessels, (a) the provisions of Annex IV and the Polar Code regarding discharges will be complied with, (b) the operation time will be reduced to the shortest possible, (c) the discharge will be carried out mainly to a summer campaign and (d) a main site and an alternative site for downloading will be established. | 2 | 2 | 2 | 3 | 2 | 48 | Low | Less than temporary minimum |
| | Use of boats or amphibians to unload materials and personnel | Fauna | Noise and vibration generation | harmful meddling | Straight | 2 | 2 | 2 | 3 | 2 | 48 | Low | M6: (a) Regular maintenance of all equipment to ensure its efficient operation, (b) the provisions of the wildlife approach manual will be respected, (c) vehicles will be used in a way that minimizes noise and (d) will control not to do activities that involve high levels of noise when there are nearby concentrations of fauna. | 2 | 2 | 2 | 2 | 2 | 32 | Low | Less than temporary minimum |