

SEMI-ANNUAL ACCOMPLISHMENTS



P M S C

PHILIPPINE MINING SERVICE CORPORATION

Alcoa Dolomite Plant
Pugalo, Alcoa, Cebu

Safety

Health

Environment

Social (COMREL)

PROGRAMS/PROJECTS/ACTIVITIES

JULY - DECEMBER 2023

PHILIPPINE MINING SERVICE CORPORATION (PMSC) was established on June 16, 1980 as a subsidiary of JFE Mineral & Alloy Company, Ltd., formerly Kawatetsu Mining Co. Ltd. and JFE Steel Corporation formerly Kawasaki Steel Corporation of Tokyo, Japan.

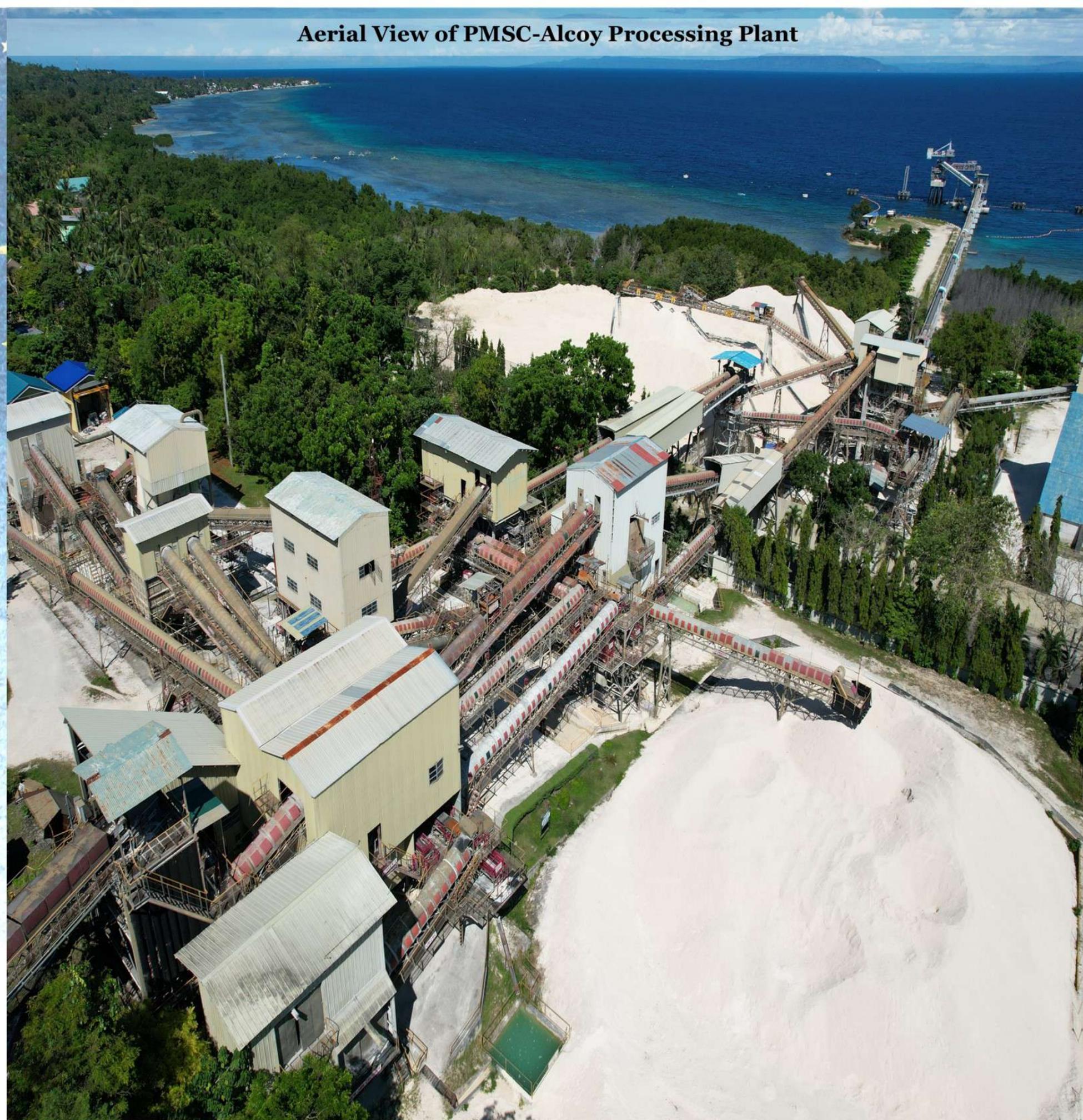
Located at the heart of the Philippines, PMSC's Dolomite Plant is nestled at the Island Province of Cebu in the Municipality of Alcoy. With over 200 million tons of Dolomite Mineral reserve the longevity of supply and availability of this mineral product is guaranteed.

One of the largest and reputed mineral processing plants in the Asia Pacific Region, Philippine Mining Service Corporation (PMSC) provides premier, top quality Dolomite products. The company pioneered the production of quality Dolomite in the entire Philippines, and became a major supplier of Dolomite in Japan and the rest of Asia.

As an ISO 14001-2015 and ISO 9001:2015 certified manufacturing company with dedicated and highly trained labor force, PMSC aims to increase production efficiency to meet the increasing demand in both domestic and International markets.

Dolomite ore material is supplied by **Dolomite Mining Corporation (DMC)**, the MPSA holder and quarry operator, to **Philippine Mining Service Corporation (PMSC)**, the MPP holder and processor.

Processed dolomite material products are sold both domestic and international markets.



Awards and Recognitions



Awardee- Presidential Mineral Industry and Environmental Award (PMIEA)



Winner- Safest Mineral Processing (Crushing Plant Category)



3rd runner-up - Best Mining Forest Contest (Mineral Processing Plant Category)



Certificate of Recognition from Nug-as Elementary School



Plaque of Recognition from Balud Elementary School



Plaque of Recognition from DepEd Cebu Province



Certificate of Appreciation from LGU Dalaguete



Certificate of Appreciation from PSEM-VC



Certificate of Recognition from OWVA

Community Development

Philippine Mining Service Corporation-Alcoy Dolomite Plant has established Programs/Projects/Activities (PPAs) that are geared towards the sustainable development of the host and neighboring communities in compliance also to DENR 2010-21, the Consolidated Implementing Rules and Regulations of Republic Act 7942, otherwise known as the Philippine Mining Act of 1995.

The following are the creditable Activities or Expenditures for Social Development and Management Program (SDMP):



LIVELIHOOD

Geared towards the development and promotion of economically viable community enterprise.



SOCIO-CULTURAL

Geared towards safeguarding the existing socio-cultural values to promote social cohesion.



HEALTH AND SANITATION

Geared towards achieving overall improvement in the living conditions and health of the host and neighboring communities.



IEC

Geared towards promotion of public awareness and education to the community.



EDUCATION

Geared towards providing educational opportunities to members of the community.



DMTG

Geared towards basic and applied research on mining technology, sciences and advanced studies.



INFRASTRUCTURE

Geared towards stimulating and facilitating other forms of economic activity.

ASDMP Budgetary Allocation

(1.5% of the Operating Cost)
DAO 2010-21

COA 2023-06-VII-4th (December 6, 2022)

- 75% - Development of Host and Neighboring Communities
 - Human Resource Development/Livelihood Programs
 - Infrastructure
 - Education
 - Health
 - Socio-Cultural Values
- 15% - Information, Education and Communications Program (IEC)
- 10% - Development of Mining Technologies and Geosciences (DMTG)

ASDMP Coverage

Host Community
Barangay Pugalo, Alcoy

Neighboring Communities

Dalaguete
Barangay Obong
Barangay Consolacion

Alcoy
Barangay Pasol
Barangay Poblacion

SDMP Expenditures Breakdown

(in Php)

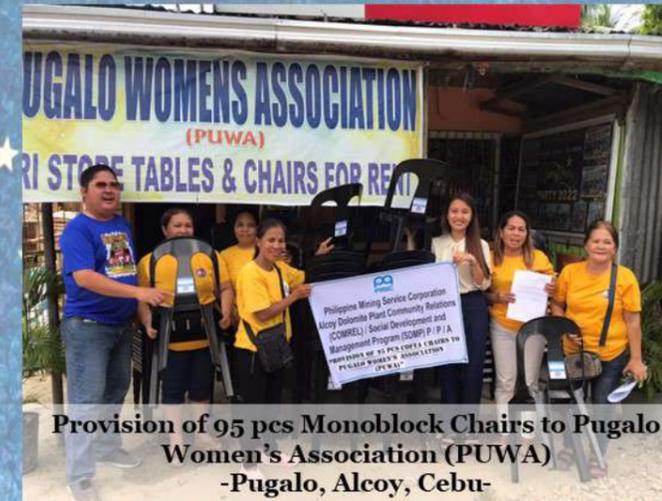
Livelihood	743,339.00
Health and Sanitation	642,096.00
Education	1,146,905.00
Infrastructure	2,068,249.00
Socio-Cultural & Religious Activities	388,176.00
IEC	811,662.00
DMTG	418,508.00

Covered Period: January to December 2023

ASDMP Programs/Projects/Activities

(July-December 2023)

LIVELIHOOD ASSISTANCE PROGRAMS



Provision of 95 pcs Monoblock Chairs to Pugalo Women's Association (PUWA)
-Pugalo, Alcoy, Cebu-



Provision of 19 pcs Fishing Nets to Brgy. Consolacion Fisherfolks
-Consolacion, Dalaguete, Cebu-



Additional Seed Capitalization to Pugalo Farmer's Association (PUFA)
-Pugalo, Alcoy, Cebu-



Additional Seed Capitalization to BALAK Association
-Poblacion, Alcoy, Cebu-



Provision of 1 unit motorized boat for San Antonio de Padua Fisherfolks Association
-Guiwang, Alcoy, Cebu-



Provision of 11 bags of Chicken Feeds to Pasol Farmer's Association
-Pasol, Alcoy, Cebu-

Livelihood programs/projects/activities implemented by PMSC in the second half of 2023 are the following: Provision of 95 pcs monoblock chairs to Pugalo Women's Association (PUWA) as additional income generating activity for their tables and chairs rental; Provision of 19 pcs. fishing nets (Batch 2) to Consolacion Fisherfolks; Provision of additional seed capitalization to Pugalo Farmers Association and Bag-ong Alayon Alang sa Kalamboan, Inc (BALAK Association) both for their retail store; Provision of 1 unit motorized boat to San Antonio de Padua Fisherfolks Association and; Provision of 11 bags of 50kg chicken feeds to Pasol Farmer's Association's Chicken Layer Poultry.

HEALTH AND SANITATION PROGRAMS



Water Ration during Water Supply Interruption
-Alcoy, Cebu-



Assistance to First Aid and Rescue Trainings
-Pugalo, Alcoy, Cebu-



Provision of Common Medicine
-Pugalo and Poblacion, Alcoy, Cebu-



Conduct of Quarterly Feeding Activity to Pasol-Pugalo Integrated School and Obong Elementary School
-Alcoy and Dalaguete, Cebu-



Provision of bags of rice to Brgy. Pugalo & RHU Alcoy
-Alcoy, Cebu-



The SDMP Budget under the development of host and neighboring communities (DHNC) also caters on the health and sanitation programs. Among these programs includes provision of medicine and other health and sanitation related supplies to the communities, conduct of feeding activities, provide materials for the construction of household toilets and assistance to the conduct of first-aid and rescue trainings.



Provision of materials for the Construction of Household Toilets
-Consolacion, Dalaguete, Cebu-

INFRASTRUCTURE PROGRAMS

In the 2nd half of 2023, various infrastructure programs/projects/activities were implemented by the company in collaboration with its host and neighboring communities. One of which is the provision of solar lights with pole to Brgy. Consolacion in Dalaguete and Brgy. Poblacion in Alcoy. These solar lighting facility will be installed along the Brgy. roads for the safety and security of its people.

Aside from this, the company also assisted in the concreting and repainting of Brgy. Pugalo basketball court pavement which is now accessible not just to the residents of the said Brgy. but also of its neighboring Brgys. In addition, provision of cements to various infrastructure projects of the communities and the provision of monoblock chairs to the 13 Purok Centers of Brgy. Obong were also part of the SDMP P/P/A under infrastructure.



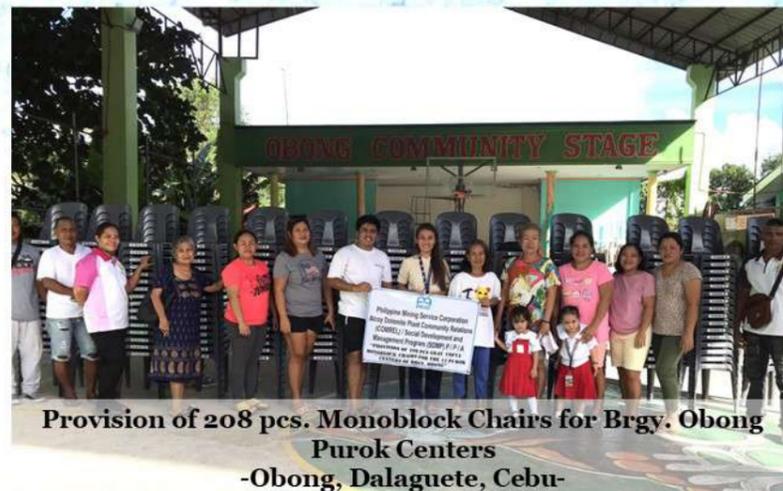
Provision of Solar Lights with Pole to Brgy. Consolacion & Poblacion
-Dalaguete and Alcoy, Cebu-



Provision of Cements to Brgy. Obong & Brgy. Tapon Chapel Construction
-Dalaguete, Cebu-



Provision of Labor and Materials on the Construction and Repainting of Brgy. Pugalo Covered Court
-Pugalo, Alcoy, Cebu-



Provision of 208 pcs. Monoblock Chairs for Brgy. Obong Purok Centers
-Obong, Dalaguete, Cebu-

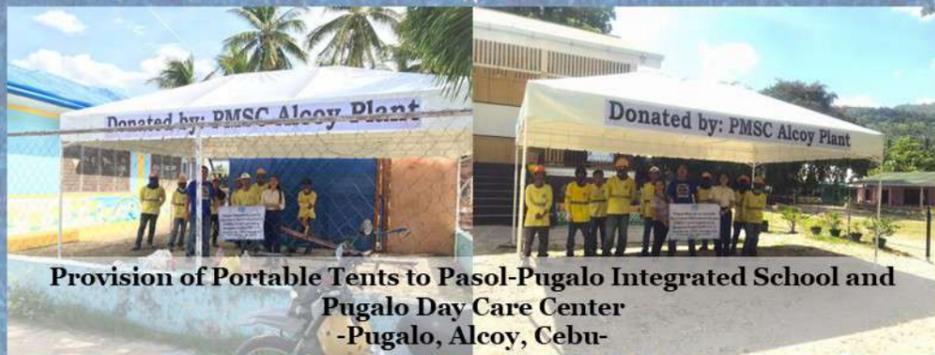
EDUCATION AND EDUCATIONAL SUPPORT SERVICES

With the aim to support the goal of the department of education, PMSC always extends its support through educational support programs.

Several programs that support basic education has been conducted like assistance to school activities (Brigada Eskwela, Christmas Gathering, etc.), provision of educational equipment (computers, printers, bond papers, inks), portable tents to Pasol-Pugalo Integrated School and Pugalo Day Care Center and, assistance to the renovation of Obong Day Care Center.

Another major project implemented in the 2nd half of 2023 (July-December) is the construction of the perimeter fence of Pasol-Pugalo Integrated School which was damaged in 2021 during the onslaught of typhoon Odette.

Furthermore, 64 PMSC High School Scholars are enjoying the High School Scholarship/Assistance Program under SDMP. These are composed of Grade 7 – Grade 12 students who never cease to amaze us with their equally exceptional grades.



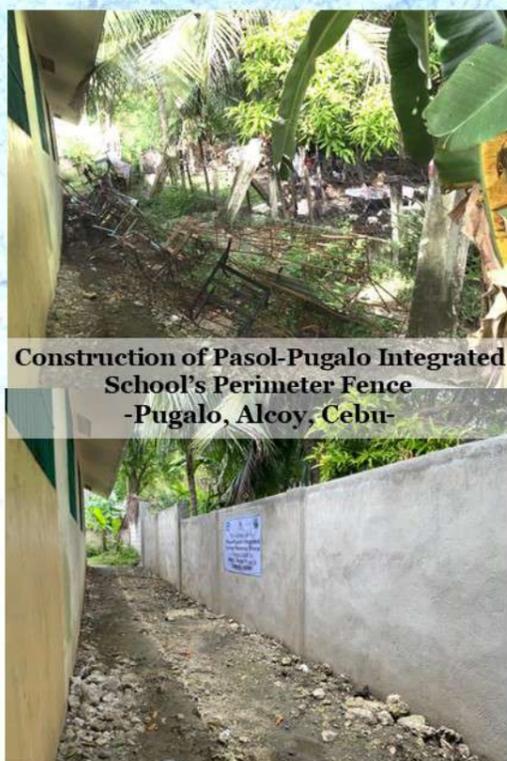
Provision of Portable Tents to Pasol-Pugalo Integrated School and Pugalo Day Care Center -Pugalo, Alcoy, Cebu-



Provision of Goods to Pasol-Pugalo Integrated School and Obong Elementary School's Christmas Activity -Pugalo, Alcoy, Cebu-



Provision of Educational Equipment (Computers, Printers, Bond papers, Inks) to Pasol-Pugalo Integrated School and Pugalo Day Care Center -Pugalo, Alcoy, Cebu-



Construction of Pasol-Pugalo Integrated School's Perimeter Fence -Pugalo, Alcoy, Cebu-



Assistance to Brigada Eskwela Activity



Assistance to the Renovation of Brgy. Obong Day Care Center -Obong, Dalaguete, Cebu-

INFORMATION, EDUCATION CAMPAIGN

IEC activities and programs play a vital role in every organization. It helps the company build good reputation within and outside its organization.

Some of the P/P/As implemented in the 2nd half of 2023 includes the following: Provision of IEC Boards, Plaques and IEC Equipment (Laptop); Fabrication of Portable Tents to be used for community activities; Conduct of Plant Tours and Cross Visits and; Conduct of Monthly Meetings to its host and neighboring barangays including organizations and other government agencies.



Provision of IEC Boards to Pasol-Pugalo Integrated School



Fabrication of Portable Tents



Provision of IEC Equipment (Laptop)



Sponsorship through Provision of Plaques - Alcoy, Cebu-



Conduct of Plant Tour to CIT-University Mechanical Engineering Students



Brgy. Pasol, Alcoy



Alcoy LGU/MDRRMO



Brgy. Obong, Dalaguete

Conduct of Meetings



Brgy. Poblacion, Alcoy



Brgy. Pugalo, Alcoy

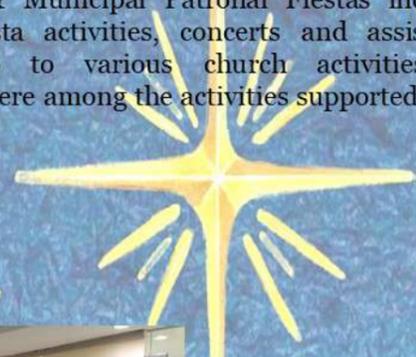


Brgy. Consolacion, Dalaguete

SOCIO-CULTURAL & RELIGIOUS ACTIVITIES



PMSC provides support in the activities that promote and strengthen the local culture within and outside the community where the processing plant is located. Barangay & Municipal Patronal Fiestas including nightly fiesta activities, concerts and assistance/sponsorship to various church activities and programs were among the activities supported by the company.



DEVELOPMENT OF MINING TECHNOLOGIES AND GEOSCIENCES

Programs for DMTG includes scholarship grants and assistance in the development of related mining research.

As for the Scholarship grant, our two (2) Community College Scholars for School Year 2023-2024 namely: Ms. Jovelyn Incila, a 2nd year BS Education student of Cebu Technological University- Argao Campus and Mr. John Wilson Inion, a 1st year BS Architecture student of Cebu Institute of Technology-University who are both from Brgy. Pugalo in the municipality of Alcoy are performing excellent in their academic career.

Apart from the scholarship program, various monitoring and audit activities were also conducted by the Mines and Geosciences Bureau (MGB) to ensure proper implementation of the Social Development and Management Program P/P/As as approved.



Validation Activities conducted by MGB-7 headed by Engr. Jose V. Desucatan

MS. JOVELYN ENCILA
CTU - ARGAO CAMPUS
BACHELOR OF ELEMENTARY EDUCATION
Second Year



MR. JOHN WILSON C. INION
CEBU INSTITUTE UNIVERSITY
BS ARCHITECTURE
First Year



ENVIRONMENT

ENVIRONMENTAL INITIATIVES

Philippine Mining Service Corporation promotes a green and environmentally-friendly facility. Since the beginning, we have maintained our Nursery for trees, herbal and ornamental species as well as our Mangrove Nursery. Also, we regularly conduct Tree Planting Programs inside the plant premises and in the community.



Care and Maintenance of Nursery

The operationalization of the Material Recovery Facility strengthens our Solid Waste Management Program.

For Water Pollution Control Measures, we currently have oil separators in place in strategic areas all over the plant and, a storage rack for used oil.

For Land Pollution and Siltation Control Measures, we have constructed and maintained a series of draining canals along the mine transport roads and at the plant area. We also installed weirs from quarry to plant area and installed catch basins and many catch basins.

Aside from this, Quarterly activities were also implemented including coastal clean-up and tree/mangrove planting activities within Barangay Pugalo and the MMT on-site monitoring and validation. Members of this Team includes LGU, NGO's, Representatives from the concerned Barangays, DENR, EMB, MGB & Company Representatives. Air and Water sampling, among others were conducted to check the company's compliance with the applicable laws, rules and regulations.



Road Spraying Activity



MMT Monitoring and Validation



Mangrove and Tree Planting Activities



Sampling Results

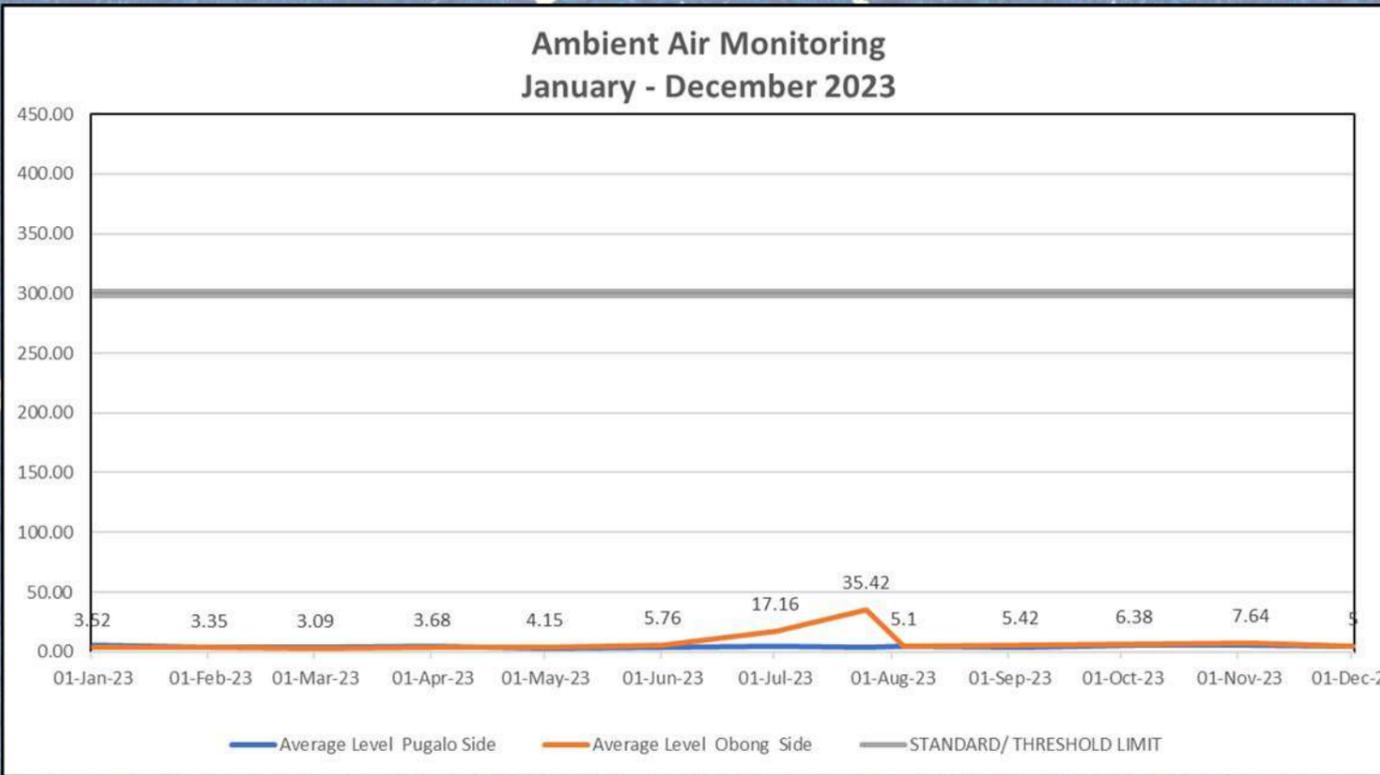


Figure 1 - Summary of Air Sampling Results (January to December 2023)

MONTH	Average Level		STANDARD/THRESHOLD LIMIT
	Pugalo Side	Obong Side	
01-Jan-23	5.28	3.52	300 ug/m ³
01-Feb-23	3.57	3.35	
01-Mar-23	4.16	3.09	
01-Apr-23	5.04	3.68	
01-May-23	2.82	4.15	
01-Jun-23	3.67	5.76	
01-Jul-23	4.32	17.16	
25-Jul-23	4.16	35.42	
04-Aug-23	4.5	5.1	
04-Sep-23	4.17	5.42	
04-Oct-23	5.75	6.38	
04-Nov-23	5.56	7.64	
01-Dec-23	4.9	5	

SMR Results	Pugalo Side		Average
	Jan ~ Dec 2023		
MMT Results	Date	Average TSP Level (Pugalo Side)	Average TSP Level (Obong Side)
	08-Feb-23	106.705	4.76
	11-Apr-23	225	42.857

Based on the monitoring shown above, ambient air sampling results for the whole year of 2023 shows compliance to DENR Administrative Order 2000-81, the Philippine Clean Air Act of 1999 (RA 8749) of the Department of Environment and Natural Resources (DENR).

The ambient air quality within the plant site and nearby communities are maintained by activating the Plant's water sprinkler system & dust collectors on designated areas, enclosure of crusher and screening houses including conveyor lines, conduct of road spraying by two water trucks. Self-Monitoring on Ambient Air is also conducted regularly to verify the effectiveness of control measures.

Sampling Results

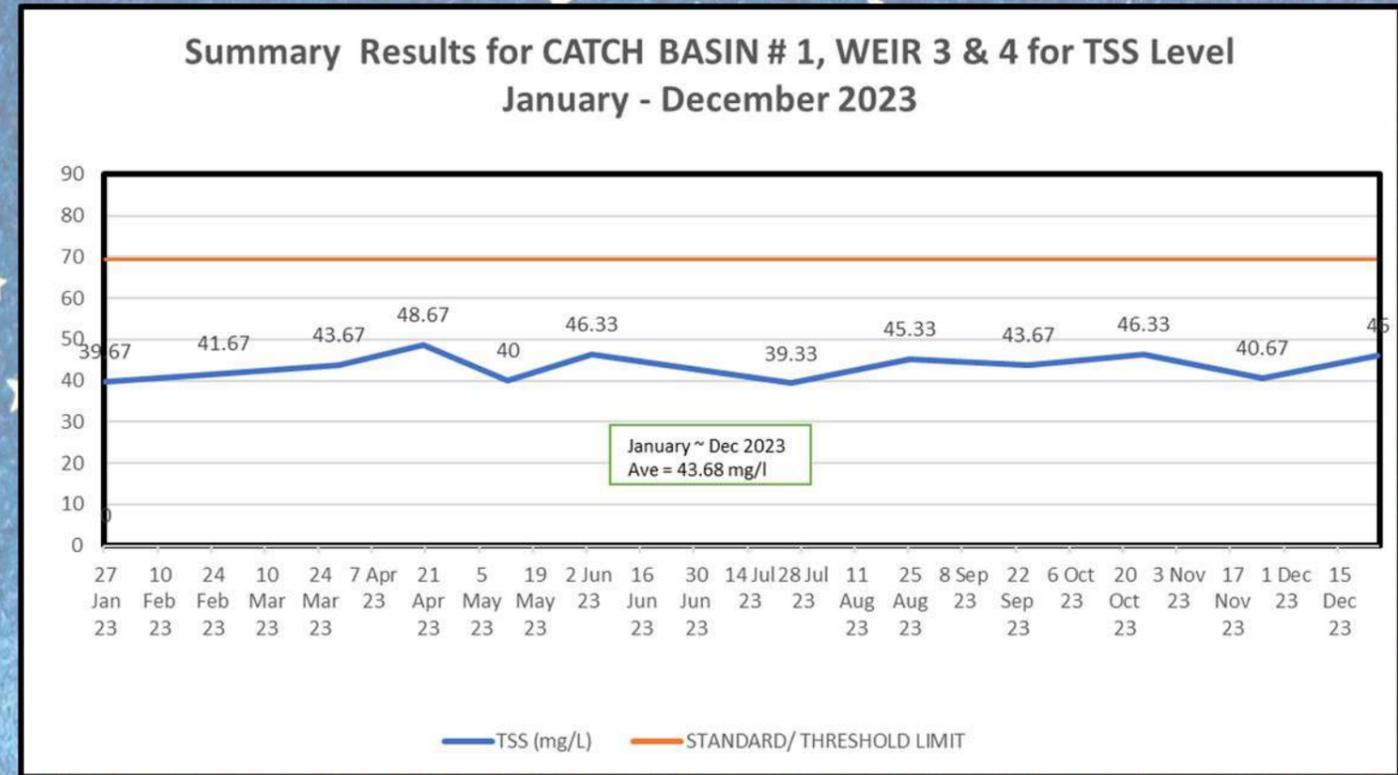
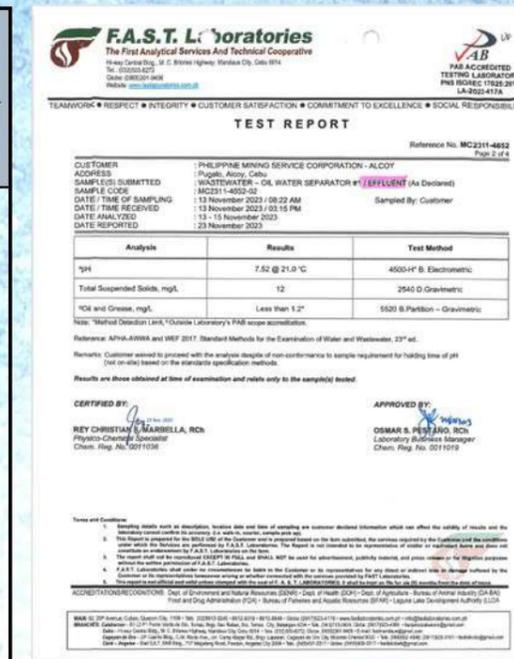


Figure 2 - Summary of Effluent Water Sampling Results (January to December 2023)

MONTH	TSS (mg/L)	STANDARD/THRESHOLD LIMIT
27-Jan-23	39.67	≤ 70 mg/L
27-Feb-23	41.67	
29-Mar-23	43.67	
20-Apr-23	48.67	
12-May-23	40.00	
03-Jun-23	46.33	
25-Jul-23	39.33	
25-Aug-23	45.33	
25-Sep-23	43.67	
25-Oct-23	46.33	
25-Nov-23	40.67	
25-Dec-23	46.00	



Based on the monitoring shown above, the target of ≤70 mg/L Total Suspended Solid (TSS) for the effluent water at the outfall from catch basins and weirs was achieved for the whole year of 2023 in compliance to DENR Administrative Order 2016-08, the Water Quality Guidelines and General Effluent Standards of 2016 of the Department of Environment and Natural Resources (DENR).

The effluent from the catchments are controlled and the quality of the receiving body of water are maintained by constructing canals leading to catchments, improvements of the capacity of catch basin and weir at designated areas, conduct of regular dewatering and desilting of catchments.

SAFETY

TRAININGS AND SEMINARS



Conduct of Trainings and Seminars
 (Lototo Seminar, Defensive Driving Seminar, Radio Certification Seminar, Anti-Drug Symposium, PFSP Cascading, Oil Spill Drill, Rescue Drill)



Conduct of Meetings and Routinary Safety Inspection

“Prepared Today, Thrive Tomorrow: Disaster Readiness is Safety’s Best Ally!”

In a world where uncertainties loom, the importance of preparedness cannot be overstated. Preparedness encapsulates the essence of a proactive approach to safety. This serves as a poignant reminder that investing time and resources in disaster preparedness is an investment in a secure and thriving future. By embracing the principles of readiness, individuals and communities fortify themselves against unforeseen challenges, ensuring that when disaster strikes, the impact is minimized, and the path to recovery is expedited.

Disaster readiness is not merely a response to potential calamities; it is a commitment to resilience and well-being. Through collective efforts and a steadfast focus on preparedness, we empower ourselves to navigate turbulent times with the belief and assurance that the road to recovery is not distant. Being ready today leads to success tomorrow. It encourages a mindset that values safety and shows that the benefits of preparedness are not only seen in tough times but also woven into our everyday lives.

Moreover, to be able to achieve the company’s goals relative to safety, several safety programs and activities were administered by safety section in collaboration with the contractors and different sections. Trainings, seminars, drills, meetings and routinary safety inspections are constantly and religiously conducted as well.

2023 SAFETY DAY



December 2023 — PMSC Alcoy Dolomite Plant celebrated Safety Day. The Safety Day celebration is an annual event dedicated to fostering a culture of safety and well-being. This day serves as a powerful reminder of the importance of prioritizing safety in all aspects of our lives, whether at home or at work. The celebration typically involves a range of activities, including a Fun Run, sports, engaging firefighting, and first aid competitions that highlight best practices for emergency preparedness. We seize this occasion to instill a sense of responsibility among employees towards creating a secure environment. Beyond the workplace, employees and contractors come together to raise awareness about safety measures, ensuring that individuals are equipped with the knowledge and tools necessary to proactively prevent accidents and respond effectively in times of crisis. The Safety Day celebration thus plays a vital role in promoting a collective commitment to safeguarding lives and fostering a culture of safety, responsibility, and preparedness.

SAFETY DAY ACTIVITIES AND COMPETITIONS



First Aid



Fire Fighting



Sports (Volleyball, Badminton, Chess)



Fun Run

PMSC ALCOY DOLOMITE PLANT – CONFERRED WITH THE HIGHEST ACCOLADE FOR EXCELLENCE



PHILIPPINE MINING SERVICE CORPORATION - ALCOY DOLOMITE PLANT – bagged the **Presidential Mineral Industry Environmental Award (PMIEA)** for Mineral Processing Category during the 69th Annual National Mine Safety and Environment Conference (ANMSEC) on November 17, 2023 at CAP-John Hay Trade and Cultural Center, Baguio City.



Before the awarding ceremony took place, a validation activity has been conducted by the Mines and Geosciences Bureau Regional Office No. 7 and the PMIEA Selection Committee from the months between July 2023 to September 2023. Thorough review and inspection have been made to Safety and Health, Environment and Community Relations Sections to ensure and verify that programs/projects/activities were accomplished religiously. Through the efforts exerted by the men and women of the company including its contractors and stakeholders, PMSC Alcoy Plant was able to achieve the most prestigious national award in environmental, social, and safety and health practices.

Aside from the PMIEA, the company also **won the Safest Mineral Processing-Crushing Plant Category and 3rd runner-up in the Best Mining Forest Contest- Mineral Processing Plant Category.**

Spearheaded and through the guidance of our very own Resident Manager – Mr. Chris Hudjarham P. de los Santos, we will uphold the theme “Mining 4.0: Safer, Smarter, and Sustainable” and continually improve in all aspects of our operation and to continue to strive for excellence and become a truly responsible and admired mineral processing company.



Mines and Geosciences Bureau-7 Technical Team, Presidential Mineral Industry and Environmental Awards Committee together with the personnel of PMSC Alcoy Dolomite Plant during the Validation Activity

HUMAN RESOURCES

Photo taken during the Quality Circle In-Plant Competition at PMSC Alcoy Plant on June 29, 2023



The Smiles of Resilience

Over the years, our company has faced several challenges that have greatly affected our operations. The COVID-19 pandemic has been one of the most significant challenges we have faced. In response to the pandemic, we have had to adapt to the ‘NEW NORMAL’ by converting some of our Human Resource activities to virtual events. This has included virtual trainings, professional conventions, and other events. Unfortunately, traditional events such as family gatherings during the company’s annual celebration of its Foundation Day and the Annual Kan-pai Program have had to be cancelled or done differently due to the pandemic.

2023 has finally arrived, bringing us back to a brighter light. It is as if 2023 arrived with a new cup of hope in its hand. It marks the start of our journey towards a brighter spirit. We were able to see the brighter smiles of our employees during the company’s annual Foundation Day, where each respective family had finally gathered together again. We also have celebrated a merrier Christmas celebration with our special someone, and a happier Kan-pai program where employees have mingled and formally thank each other for a job well done. Professional employees have finally enjoyed travelling again to different areas of the Philippines and met with their co-professionals on their conventions and annual gatherings.

We hope and pray that whatever comes to us, we will stand together hand-in-hand, as one company, one family.



Christmas Party Celebration



Year-End Kanpai



Foundation Day Celebration



Conduct of Seminars and Conventions

Lump Ore Stockyard with Shiploading Facilities at the Background with MV Edward Oldendorff Loaded with Dolomite Fine for China Steel Corporation -Taiwan



Indicative Chemical Composition

Product	MgO	CaO	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	Moisture
Cebu Dolomite	≥ 17.5%	≥ 33.0%	≤ 0.5%	≤ 0.3%	≤ 0.15%	Abt. 8.0%

Uses and Applications

- ⇒ **Steelmaking** - as fluxing material
- ⇒ **Sintering** - as binder
- ⇒ **Flat Glassmaking** - as raw material
- ⇒ **Agriculture and Aquaculture** - as soil conditioner, feed stock, neutralizer, and water treatment



Lump (10-30mm)



Fine Ore (0-5mm)



— 8 Mesh (0-2.36mm)



PHILIPPINE MINING SERVICE CORPORATION
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