



Vladimir S. Miñano, CIP
Project Engineer

Education

Civil Engineering, Universidad Nacional de Ingeniería, Lima, Perú, 2005

Postgraduate Degree in Project Planning and Control, Universidad Peruana de Ciencias UPC, Lima, Perú, 2011

Master in Science, Mention in Geotechnical Engineering, Universidad Nacional Mayor de San Marcos, Lima, Perú. 2013

Registrations/Certifications

Professional Civil Engineer, Colegio de Ingenieros del Perú (CIP #120319)

Experience Summary

Mr. Miñano is a civil engineer with 12 years' experience in civil design, geotechnical engineering, and fieldwork for mining infrastructure projects, from conceptual stages through closure. He specializes in mining structures designs and preparation of drawings, maps, and engineering reports. Additionally, Mr. Miñano is proficient in many engineering software programs including AutoCAD Civil 3D, Map 3D, Infracore, Navisworks, GEO-SLOPE, Slide, Raster Design, Primavera Project Planner, Microsoft Projects, S10 and Microsoft Office, among others, both in Windows and in DOS.

His Construction Quality Assurance (CQA) experience includes soil, concrete, and geosynthetic material Control Supervision for mining operation facilities such as dams, heap leach pads (HLP), process shafts, tailings storage facilities (TSF), dumps, access ways, channels, ponds, etc. His involvement in CQA projects includes earthworks, construction of foundations, compaction works (mainly platforms), control of topographical works, construction and placement of formworks and steel reinforcements, and concrete pouring according to design drawings, technical specifications, international standards, and construction procedures.

Mr. Miñano communicates effectively with clients, fitting the activities to their needs and priorities.

Project Experience

Mine Tailings / Waste Facilities

TSF RAISE, YARAGUA MINE, CONTINENTAL GOLD | ANTIOQUIA, COLOMBIA

Project Engineer responsible for reviewing and updating the detailed engineering of an existing TSF raise. Project included review and update of geotechnical stability, hydrology, water balance, and the surface water deposition and diversion plan. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2017)

TSF DESIGN, LOS GATOS, SAN JOSÉ DE PLATA | CHIHUAHUA, MEXICO

Project Engineer responsible for the detailed engineering of the Jales TSF. Project included an analysis of geotechnical stability, hydrology, water balance, and the surface water deposition and diversion plan. Prepared detailed quantities, cost estimates, technical specifications, and construction drawings. (Tierra Group, 2017)

SAN JOSÉ TSF RAISE, PHASE 3B, B2GOLD | EL LIMON MINE, NICARAGUA

Project Engineer responsible for reviewing and updating the detailed engineering of an existing TSF raise. Project included the review and update of geotechnical stability, hydrology, water balance, and the surface water deposition and diversion plan. Prepared detailed quantities, cost estimates, and reports for each option. (Tierra Group, 2017)

DOUGLAS TSF DESIGN, NYRSTAR | EL MOCHITO, HONDURAS

Assisted with the conceptual design of a TSF; including geotechnical stability, hydrology, water balance, and surface water deposition and diversion plan. Prepared quantities and cost estimates. (Tierra Group, 2017)

TSF DESIGN, ERNESTO E PAU A PIQUE, AURA MINERALS | MATO GROSSO, BRAZIL

Project Engineer responsible for reviewing and updating the detailed engineering of an existing TSF raise. Project included reviewing and updating the geotechnical stability, hydrology, water balance, and surface water deposition and diversion plan. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2016)

TSF DESIGN, STAGE 9, DON MARIO MINE | SANTA CRUZ, BOLIVIA

Project Engineer responsible for the detailed engineering of an existing TSF raise and construction of a new facility. Work included designs for underdrain and overdrain systems, toe drains, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2016)

TSF DESIGN, ARANZAZÚ MINE | ZACATECAS, MEXICO

Project Engineer responsible for the detailed engineering of an existing TSF raise and construction of a new facility. Project included designs for underdrain and overdrain systems, toe drains, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2014)

TSF DESIGN, ROSARIO MINE | SANTA CRUZ, MEXICO

Project Engineer responsible for the detailed engineering of an existing TSF raise and construction of a Geotube Pad. Project included designs for overdrain systems, toe drains, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2015)

DETAILED ENGINEERING DESIGN OF SEDIMENTATION PONDS, PIERINA MINE, BARRICK | ANCASH, PERÚ

Project Engineer responsible for the detailed civil design of a geometry pond, hydraulic structures, mechanical and electrical facilities for sludge removal, and automated water pumping. Civil design included underdrain and overdrain systems, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2015)

TSF DESIGN, DON MARIO MINE, STAGE 8 | SANTA CRUZ, BOLIVIA

Project Engineer responsible for the detailed engineering of an existing TSF raise and construction of a new facility. Work included designs for underdrain and overdrain systems, toe drains, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Tierra Group, 2014)

TSF DESIGN, CAUDALOSA MINE | HUANCVELICA, PERÚ

Project Engineer responsible for developing a feasibility-level study of an existing TSF raise and construction of a new facility. Work included designs for underdrain and overdrain systems, toe drains, piping plans, and surface water diversion. Prepared detailed quantities, cost estimates, and reports. (Cia. Caudalosa, 2014)

GROTA C TAILINGS DAM, TABOCA PROJECT | TABOCA MINERAÇÃO, AMAZONAS

Construction Assistant Engineer in charge of field construction support and CQA program. (Golder, 2010)

WASTE ROCK DUMPS, APUMAYO AND HUAMANLOMA | APUMAYO MINE, AYACUCHO, PERÚ

Staff Engineer responsible for the development of a feasibility-level study involving construction of a new facility and associated structures. (Cia. Aruntani, 2013)

Heap Leach Facilities

LA INDIA HLP, PHASE 3 | SONORA, MEXICO

Conceptual design of a HLP, solution and major event collection ponds, access roads, conveyor belt, and diversion channel. Project included geotechnical research, stability analyses, hydrology, technical specifications, civil design, and conceptual drawings. (Tierra Group, 2017)

LA TRINIDAD HLP | SINALOA, MEXICO

Detailed engineering of a HLP, access roads, and diversion channel. Project included geotechnical research, stability analyses, hydrology, technical specifications, civil design, and construction drawings. (Tierra Group, 2017)

HLP EXPANSION, ARASI MINE | PUNO, PERÚ

Designed and prepared high-level detailed drawings for a HLP expansion. Project included design of perimeter access, underdrain system, stability analyses, and earthwork and material volume estimates. (Cia. Aruntani, 2013)

VELADERO HLP, PHASES 2B AND 2C | MENDOZA, ARGENTINA

Detailed engineering of the Veladero HLP project, expansion of Phases 2B and 2C, and related works. (Vector, 2007)

SEDIMENTATION PONDS, UNIDAD SIPAN PROJECT | CAJAMARCA, PERÚ

Detailed engineering for sedimentation ponds (P1 and P2). Project included the design of access platforms, an underdrain system, stability analyses, earthwork and material volume estimates, preparation of detailed drawings, technical specifications, and preparation of the technical file for construction. (Klohn, 2009)

TANTAHUATAY HLP | CAJAMARCA, PERÚ

Detailed engineering of HLP, process ponds (ILS, PLS, and major events), rock dumps, inadequate material dump, organic material dump, access roads, and haul roads. Project included geotechnical research, stability analyses, hydrology, technical specifications, civil design, and construction drawings. (Vector, 2007)

ALUMBRE HLP, MINERA SAN SIMÓN S.A. | LA LIBERTAD, PERÚ

Basic engineering study of HLP, process ponds (ILS, PLS and major events), and dump. Work included hydrological analyses, geotechnical studies, material estimates, and calculation of engineering costs. (Vector, 2007)

HLP 3, TUCARI MINE | PUNO, PERÚ

Prepared high-level detailed drawings for a HLP and process ponds (PLS, ILS, and major events). (Vector, 2007)

HLP, PHASES 1 AND 1A, ALTO CHICAMA PROJECT | LA LIBERTAD, PERÚ

Prepared high-level detailed drawings for Phases 1 and 1A of the HLP and related works. (Vector, 2007)

HLP DESIGN, ARASI | PUNO, PERÚ

Prepared detailed drawings for HLP 3, process ponds (ILS, PLS, and major events), access roads, and diversion channels. (Vector, 2007)

PRE-FEASIBILITY, TOROMOCHO PROJECT | JUNÍN, PERÚ

Inspection and management of survey fieldwork at the Toromocho Project site for a Pre-Feasibility Project. (Eserco, 2008)

PUCAMARCA PROJECT | TACNA, PERÚ

Prepared feasibility drawings for a waste rock dump and related facilities for the Pucamarca Project. (Golder, 2010)

Construction Quality Assurance

CQA AND SOIL AND CONCRETE TESTING DURING TSF CONSTRUCTION, TOROMOCHO MINE | JUNIN, PERÚ

CQA Inspection Manager responsible for coordination with the client, preparation of monthly reports, integration of documents, design support updates, etc. (Gramsa, 2012)

CQA AND DESIGN SUPPORT SERVICES DURING TSF CONSTRUCTION | LA LIBERTAD, NICARAGUA

CQA Inspection Manager responsible for project coordination with the client, preparation of monthly reports, integration of documents, design support updates, etc. (Gramsa, 2011)

CQA AND DESIGN SUPPORT SERVICES DURING MINE CLOSURE | EL MOCHITO, HONDURAS

CQA Inspection Manager responsible for project coordination with the client, preparation of monthly reports, integration of documents, design support updates, etc. (Tierra Group, 2016)

CQA AND DESIGN SUPPORT SERVICES DURING TSF CONSTRUCTION | DON MARIO, BOLIVIA

CQA Inspector Manager responsible for project coordination with the client, preparation of monthly reports, integration of documents, design support updates, etc. (Tierra Group, 2016)

Employment History

CURRENT EMPLOYER	TIERRA GROUP INTERNATIONAL S.A.C.
POSITION	Project Engineer
YEARS	2014 to Present
EMPLOYER	CIA. MINERA CAUDALOSA S.A.
POSITION	Project Engineer
YEARS	2014
EMPLOYER	CIA. MINERA ARUNTANI S.A.
POSITION	Project Engineer
YEARS	2013
EMPLOYER	GRAMSA CONTRATISTAS GENERALES S.A.C.
POSITION	Project Engineer/Manager QA Inspector
YEARS	2011
EMPLOYER	GOLDER ASSOCIATES PERU S.A.
POSITION	Project Planning and Control Engineer
YEARS	2010
EMPLOYER	KLOHN CRIPPEN BERGER S.A.
POSITION	Project Engineer
YEARS	2009
EMPLOYER	ESERCO – AKER KVAERNER
POSITION	Topography Inspector
YEARS	2008
EMPLOYER	VECTOR PERÚ S.A.C.
POSITION	Civil / CAD Designer
YEARS	2006 to 2007

Language Proficiency

Spanish: Native
English: Intermediate
Portuguese: Basic