

Porto South Beach Wastewater Treatment Plant

Background

This peaceful resort is located along a white sandy beach on the Gulf of Suez, off Route 65, 6 km from Sokhna Safari Wildlife Park and 40 km from TEDA Fun Valley amusement park.

Wastewater treatment plants located in tourist resorts require special monitoring and operation due to the sensitivity of individuals' interactions with these resorts. Therefore, it was necessary for the owner to allocate the tasks and resources required to achieve the highest efficiency and operation of these plants

Wastewater treatment plant type
(Extended Aeration treatment system)

Solution

Vales Company is a pioneering, unique, and distinguished company in the management, operation, and maintenance of sewage plants

Valens provides engineering, conservation, operation and maintenance services, as well as other highly qualified services resulting from its extensive knowledge of these systems and long-lasting presence on these markets



Operation and Maintenance Program

Key components of an operation and maintenance program include:

1. **Regular inspections:** Scheduled inspections help identify potential issues before they escalate into major problems. Inspections should be conducted by trained personnel who can spot signs of wear and tear or other issues.
2. **Preventive maintenance:** Regular maintenance tasks, such as lubrication, filter changes, and cleaning, can help prevent breakdowns and extend the lifespan of equipment. A preventive maintenance schedule should be established and followed consistently.
3. **Repairs:** When issues are identified during inspections or maintenance tasks, repairs should be carried out promptly to prevent further damage. Repairs should be done by qualified technicians using the right tools and equipment.
4. **Training:** Proper training of personnel is essential for the successful implementation of an operation and maintenance program. Training should cover equipment operation, maintenance procedures, and safety protocols.

By implementing a comprehensive operation and maintenance program, businesses can ensure the reliability and efficiency of their equipment, leading to improved productivity and reduced downtime

Results

Laboratory test analysis results (The results indicate that the treated wastewater meets the reuse standards outlined in Code No. 501/2015, Grade A.)

*National Research Centre
Analysis and Consultation Unit
Domain of Evaluation and Remediation
of Hazardous Industrial Wastes*



المركز القومي للبحوث
وحدة التحاليل والاستشارات
المجال الاستشاري لتقييم ومعالجة المخلفات
الصناعية الخطرة

شركة فالنس للتجارة والخدمات
محطة معالجة بورتو ساوث بيتش - العين السخنة

التاريخ: ٢٠٢٣/٥/١٤

اسم العينة : مخلف معالج

العنصر	الوحدة	المخلف النهائي	كود رقم ٢٠١٥/٥٠١
الرقم الهيدروجيني pH	-	٧,٣	---
الاحتياج الأكسجيني الكيميائي COD	مجم /لتر	٣٦	---
الاحتياج الأكسجيني الحيوي BOD	مجم /لتر	١٤	١٥
المواد العالقة الكلية TSS	مجم /لتر	٥	١٥
المواد الذائبة الكلية TDS	مجم /لتر	١٩٠٠	---
الزيوت و الشحومات O&G	مجم /لتر	١,٤	---
الكلور المتبقى Cl	مجم /لتر	٠,٨	---
العد الاحتمالي لبكتريا ايشريشيا كولاي (EC)	MPN/100ml	لا يوجد	٢٠

* معايير إعادة استخدام مياه الصرف الصحي المعالجة درجة أ
تم تجميع العينات بمعرفه المسئولين بالمركز القومي للبحوث

التقرير
النتائج الموضحة تبين توافق مواصفات مياه الصرف الصحي المعالجة مع معايير اعاده الاستخدام
كود رقم ٢٠١٥/٥٠١ درجة أ

أ.د. فايزة على نصر
فايزة نصر
رئيس المجال الاستشاري





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تليفون / فاكس : ٣٧٤٨٤٠٧٧ - ٠٢
موبايل : ٠١٢٢٧١٤٥٦٤٩

Conclusion

Thanks to the successful and anticipated results achieved by Valens Company in managing the station, the contract with them has been extended from the initial date 17/10/2022 and is still ongoing.

Contact

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